

AD-A164 433

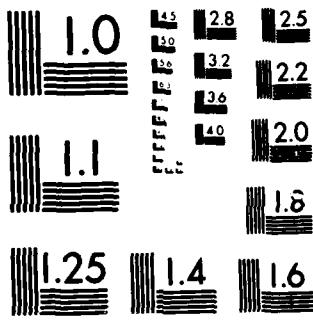
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF
PROTECTION DEVICES FOR. (U) ELECTROSPACER SYSTEMS INC
ARLINGTON VA D BODSON ET AL. 31 OCT 85
NCS-TR-85-10-VOL-3-SEC-2 DCA100-85-C-0810 F/B 20/1

1/3

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NCS-TIB-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

11



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A



NCS TIB 85-10

(2)

NATIONAL COMMUNICATIONS SYSTEM

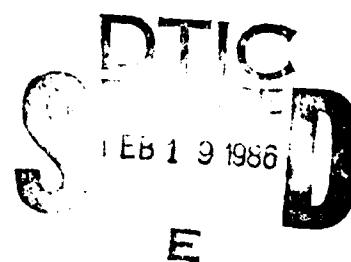
AD-A164 433

VOLUME III TEST DATA ELECTROMAGNETIC PULSE TESTING OF PROTECTION DEVICES

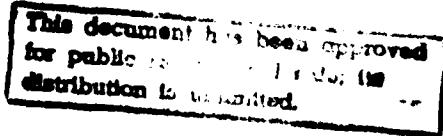
SECTION 2

HIGH IMPEDANCE/HIGH VOLTAGE TEST 50 OHMS - 4500 VOLTS

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OCTOBER 1985



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2

REPORT DOCUMENTATION PAGE

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11 TITLE (Include Security Classification) <i>Volume III</i> Electromagnetic Pulse Transient Threat Testing of Protection Devices for Amateur/Military Affiliate Radio System Equipment (U) Section 2, High-Exidence/High Voltage Test Jo OHM 450V C/I			
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17 COSATI CODES		18 SUBJECT TERMS (Continue on reverse if necessary and identify by block number) Amateur Radio Equipment EMP, Lightning Protection, Electromagnetic Pulse (EMP) Protection Devices Test, EMP, Lightning, Transient Electrical/Magnetic Pulses.	
19 ABSTRACT (Continue on reverse if necessary and identify by block number) This technical report discusses the vulnerability of equipment used by amateur/MARS radio operators in the United States to disruption or damage by transient electromagnetic effects such as lightning, voltage surges, and electromagnetic pulse (EMP) waves. It also reports the results of two test programs; one to evaluate existing transient suppression devices and components, and one to evaluate the response of amateur radio equipment to an EMP transient environment.			
Based on the test results, the report recommends procedures and a low-cost installation scheme which will significantly increase the operational survivability of amateur type communications equipment in a lightning or EMP environment.			
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input checked="" type="checkbox"/> UNCLASSIFIED UNLIMITED <input type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS		21. ABSTRACT SECURITY CLASSIFICATION Unclassified	
22a NAME OF RESPONSIBLE INDIVIDUAL Dennis Bodson		22b. TELEPHONE (Include Area Code) 202 692-2124	22c OFFICE SYMBOL NCS-TS

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Block 19 Continued - ABSTRACT

(136 pages) contains supporting documentation including: the test plans for the two EMF tests, descriptions/specifications of the tested transient suppression devices and the amateur radio equipment, and photographs of the test facilities and test set-ups. Volume III (1298 pages) contains the raw test data in the form of oscilloscope photographs attached to the test data sheets for both test programs, as well as, written test descriptions and bench check measurements from the equipment test program. For most purposes Volume I should provide sufficient information. Volume II would be required to obtain more detailed descriptions of the test programs and tested devices and equipment. Volume III would only be required if a separate analysis of the test data is being made.

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NCS TECHNICAL INFORMATION BULLETIN 65-10

ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF PROTECTION
DEVICES FOR AMATEUR/MILITARY AFFILIATE RADIO SYSTEM EQUIPMENT

OCTOBER 1985

PROJECT OFFICER

DENNIS BOYSON
Senior Electronics Engineer
Office of Technology
and Standards

: APPROVED FOR PUBLICATION:

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Assistant Manager
Office of Technology
and Standards

FOREWORD

The National Communications System (NCS) is an organization of the Federal government whose membership is comprised of 22 Government entities. Its mission is to assist the President, National Security Council, Office of Science and Technology Policy, and Office of Management and Budget in:

- o The exercise of their wartime and non-wartime emergency functions, and their planning and oversight responsibilities.
- o The coordination of the planning for and provision of National Security/Emergency Preparedness communications for the Federal government under all circumstances including crisis or emergency.

In support of this mission the NCS has executed a Memorandum of Understanding with the American Radio Relay League. Its purpose is to establish a broad framework for a cooperative and close working relationship with volunteer radio amateurs for support of national emergency communications functions. It is intended through joint coordination and exercise of the resources of both organizations, to enhance the nation-wide posture of telecommunications readiness for any conceivable national emergency. This particular Technical Information Bulletin is one of a series aimed at developing an awareness in the radio amateur community of practical, low cost EMP protective procedures, devices, and equipment which may if utilized significantly enhance the probability of amateur radio resources escaping serious damage during emergency situations involving EMP events.

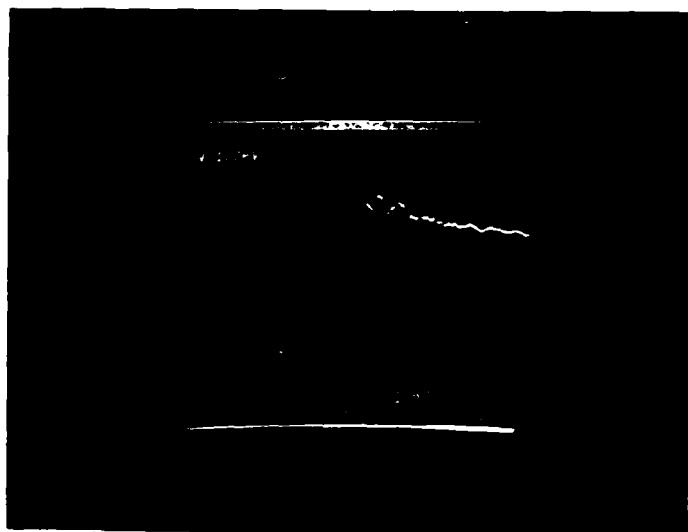
Comments on this TIB are welcome, and should be addressed to:

Office of the Manager
National Communications System
ATTN: NCS-TS
Washington, DC 20305-2010
(202) 692-2124

50 Ω INPUT Z

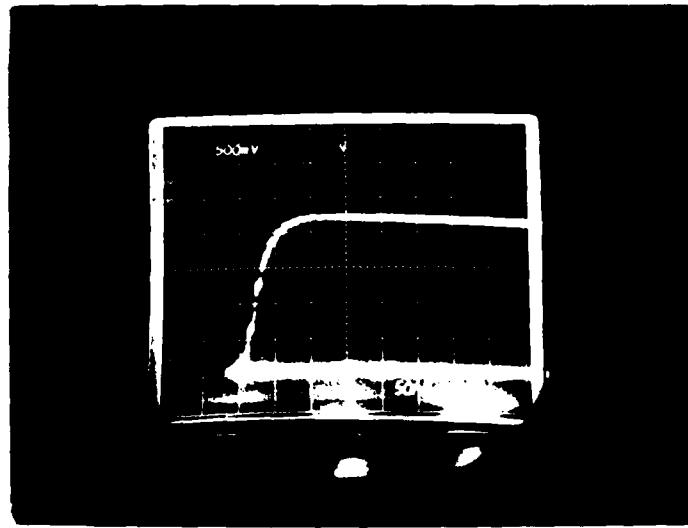
- REFERENCE -

Date	6-5-85
Test Point	-
Amplification	dB
Attenuation	dB
Horizontal	10 ns/div 1
Vertical	.1V () mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



CURRENT PULSE WITH 50 Ω INPUT Z

Date	6-5-85
Test Point	
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500
Data Link	
Comments:	

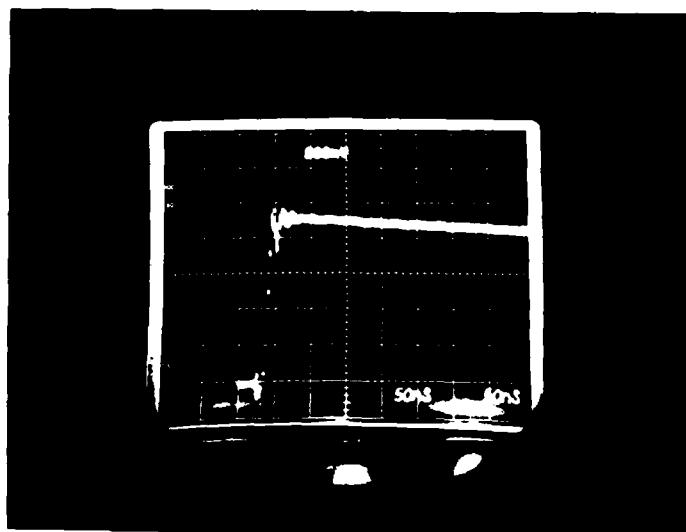


REFERENCE

VOLTAGE WITH 50 Ω INPUT Z AND 50 Ω LOAD.

REFERENCE

Date	6-7-85
Test Point	REF - PULSE
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	027



REFERENCE PULSE WITH DUT - VARISTOR IN
PICK UP LINE -

50Ω INPUT Z

Date	6-7-85
Test Point	REF - PULSE
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1027

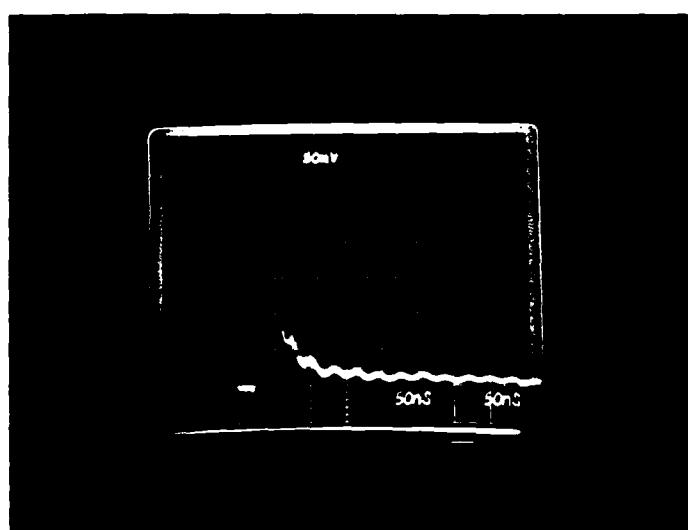


REFERENCE PULSE WITH VARISTOR IN
PICK-UP LINE -

50Ω INPUT Z

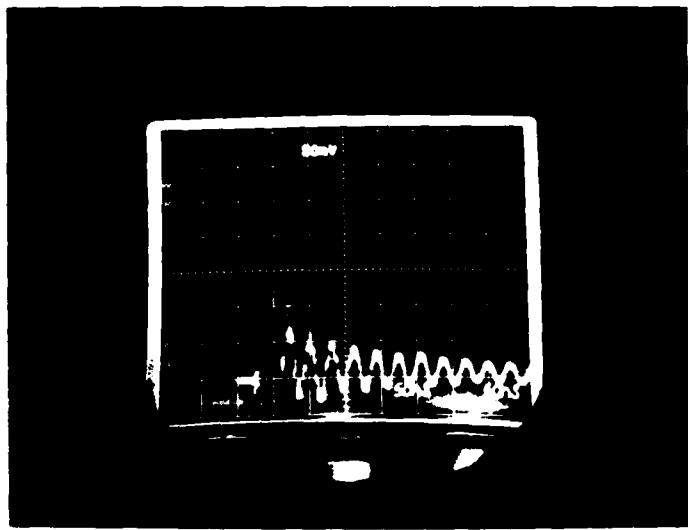
~~TEST PAPER~~

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



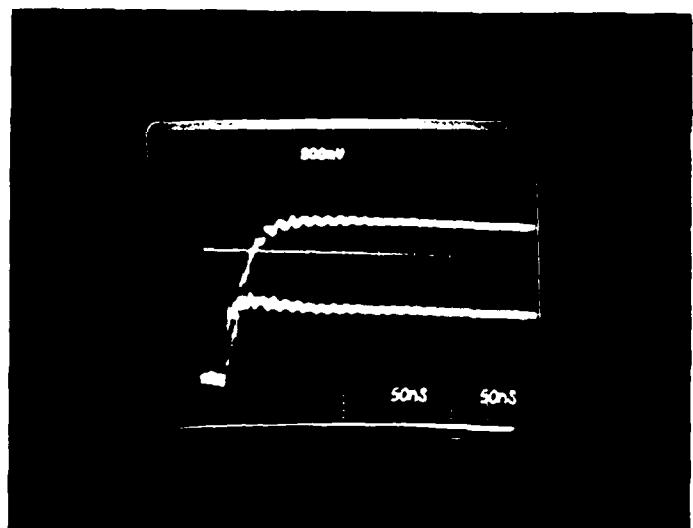
WITH VARISTOR IN PICK-UP LINE

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



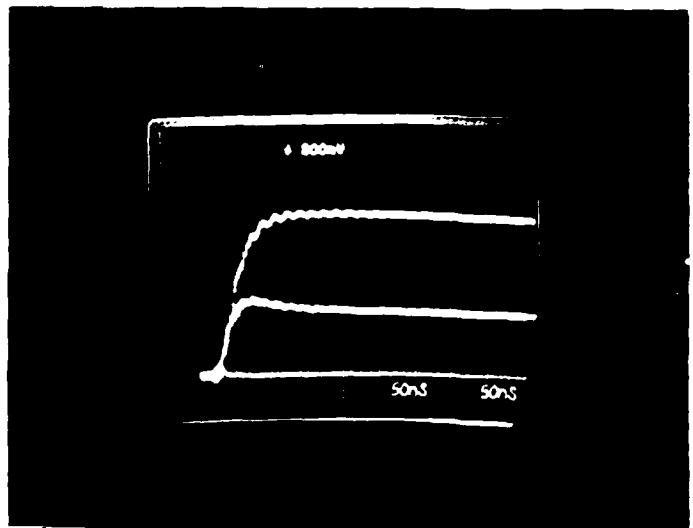
WITHOUT VARISTOR IN PICK-UP LINE.

Date	6-11-85
Test Point	1-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500 V
Data Link	
Comments:	1193

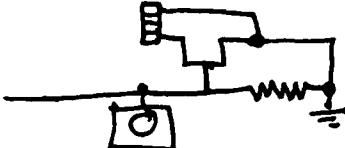


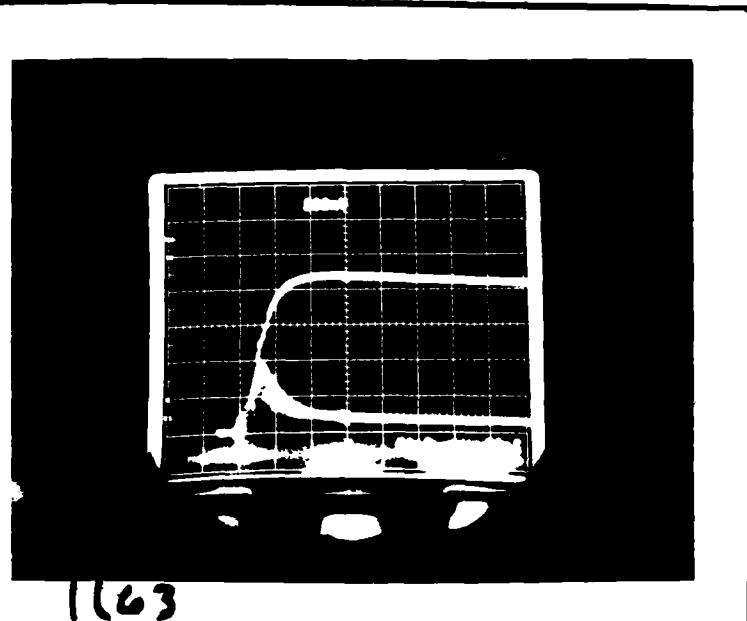
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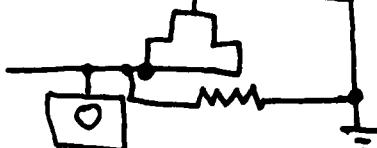
Date	6-11-85
Test Point	1R -CH -1/10 -Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	1194

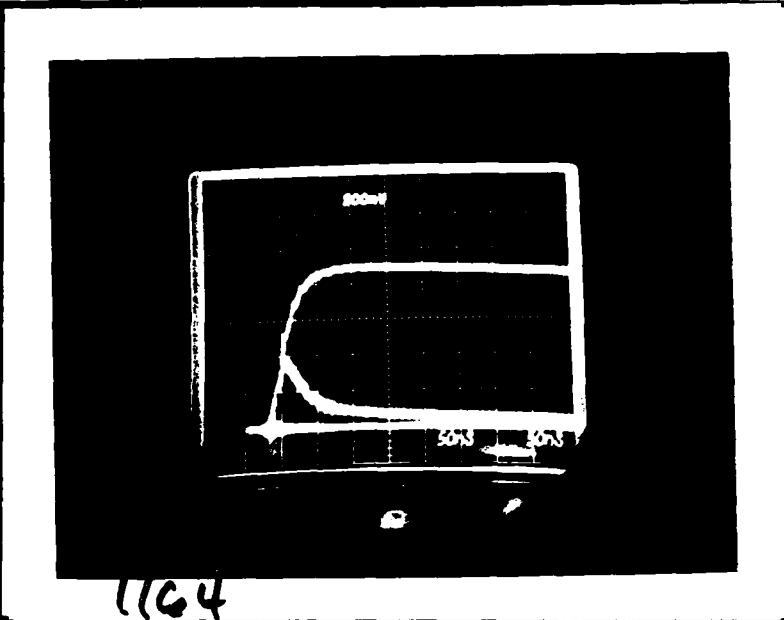


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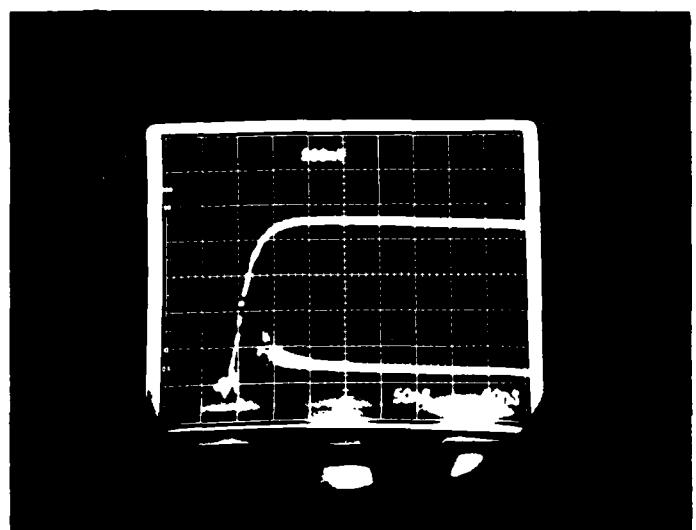
Date	6-10-85
Test Point	2-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1163
DATA @ -1V (200V)	
DATA @ 100V (100V)	
	



Date	6-10-85
Test Point	2R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
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Comments:	1164
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DATA @ -100V (100V)	
	

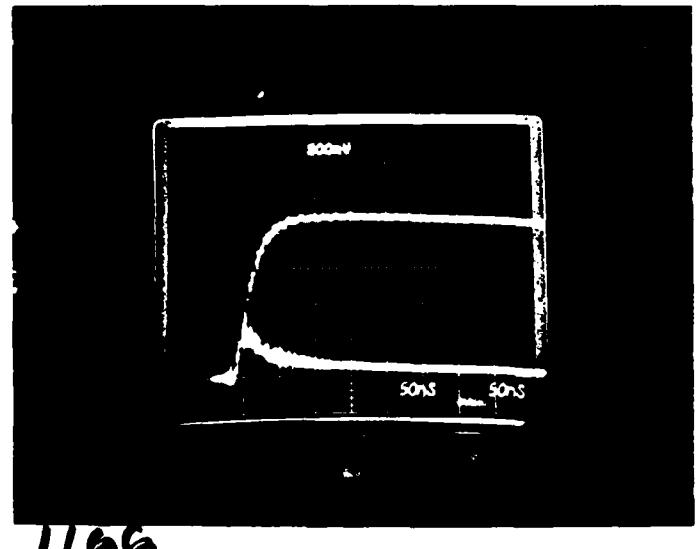


Date	6-10-85
Test Point	3 - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .^{1V}~~EV~~ (200V)

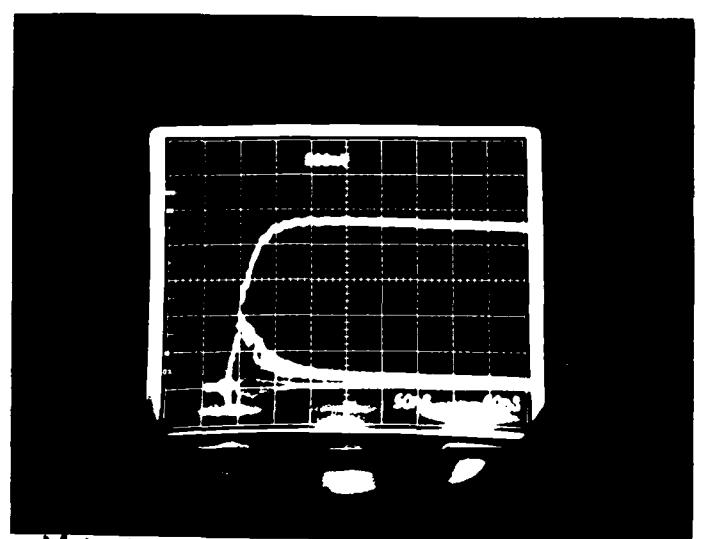
Date	6-10-85
Test Point	3R - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .^{1V}~~EV~~ (200V)

Date	6-10-85
Test Point	4-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

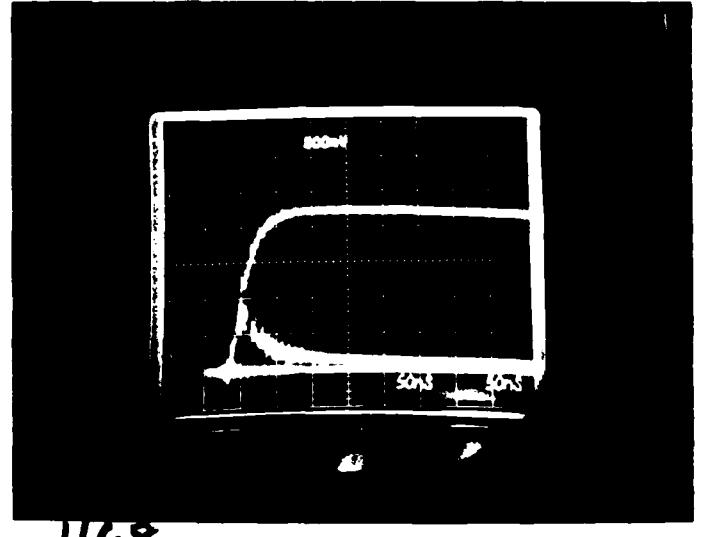


1167

DATA @ $\pm 1V$ (200V)

Date	6-10-85
Test Point	4R-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

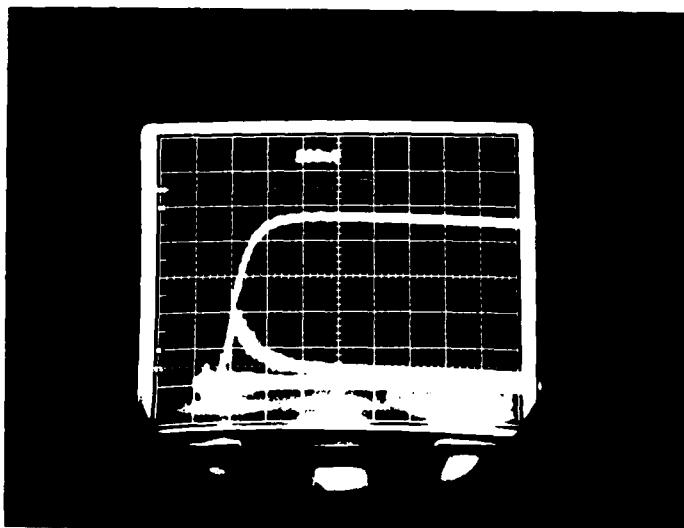
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1168

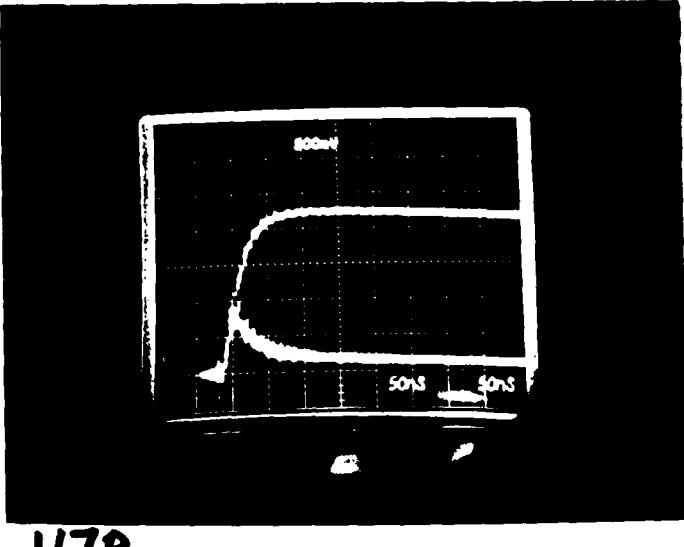
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Test Point	4-CH-Y0-B		
Amplification	dB		
Attenuation	20	dB	
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Vertical	.5V (1000V)	mV/div	1
Horizontal			
Vertical			
Configuration			
Pulser Level	+4500V		
Data Link			
Comments:			



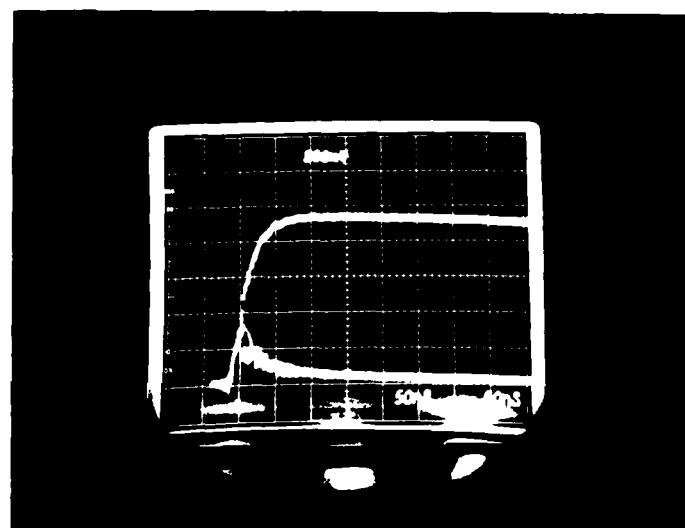
DATA @ .1V
1169 (200V)

Date	6-10-85		
Test Point	4R-CH-Y0-B		
Amplification	dB		
Attenuation	20	dB	
Horizontal	50	ns/div	1
Vertical	.5V (1000V)	mV/div	1
Horizontal			
Vertical			
Configuration			
Pulser Level	-4500V		
Data Link			
Comments:			



DATA @ .1V
1170 (200V)

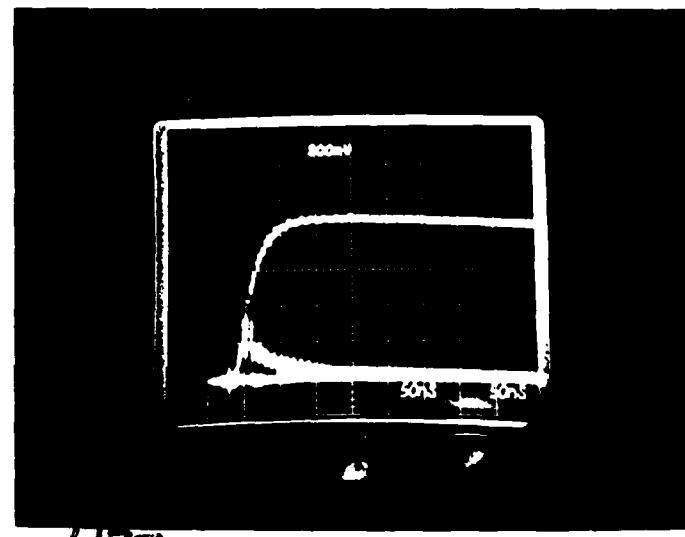
Date	6-10-85
Test Point	S-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000 V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1171

DATA @ $\pm 1V$ (200V)

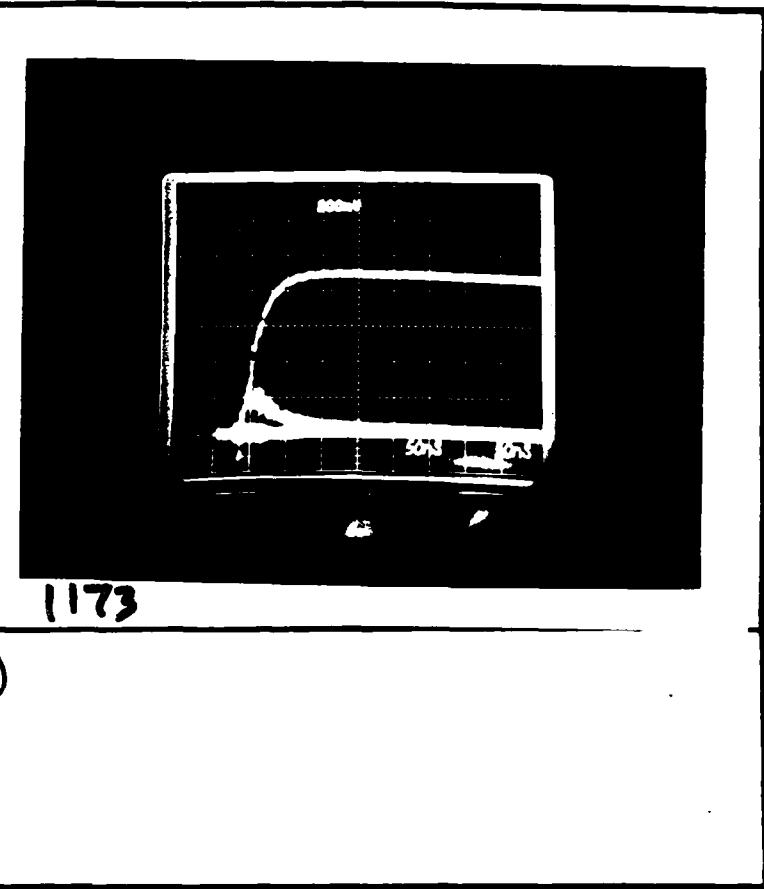
Date	6-10-85
Test Point	5R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000 V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1172

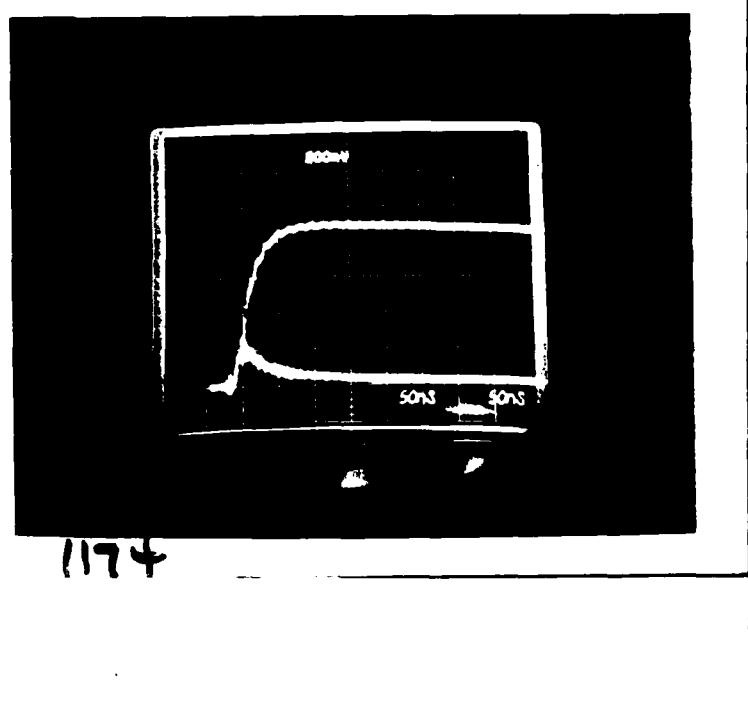
DATA @ $\pm 1V$ (200V)

Date	6-10-85
Test Point	5-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1173

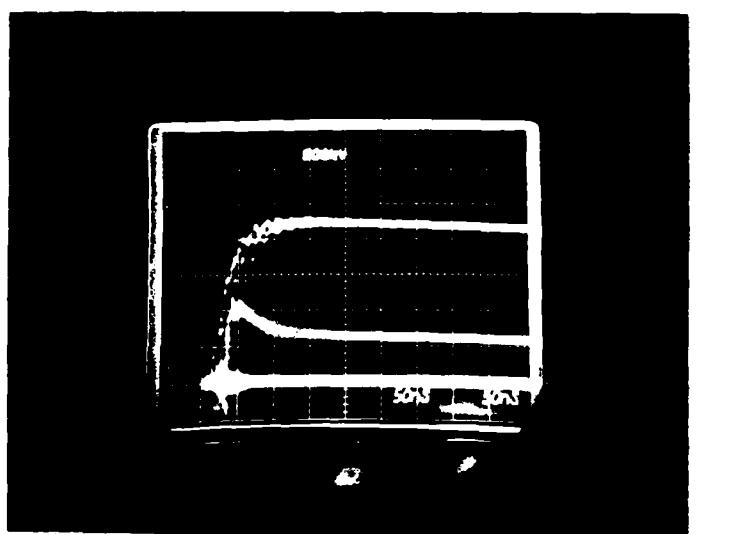
Date	6-10-85
Test Point	SR-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1174

DATA @ .5V (200V)

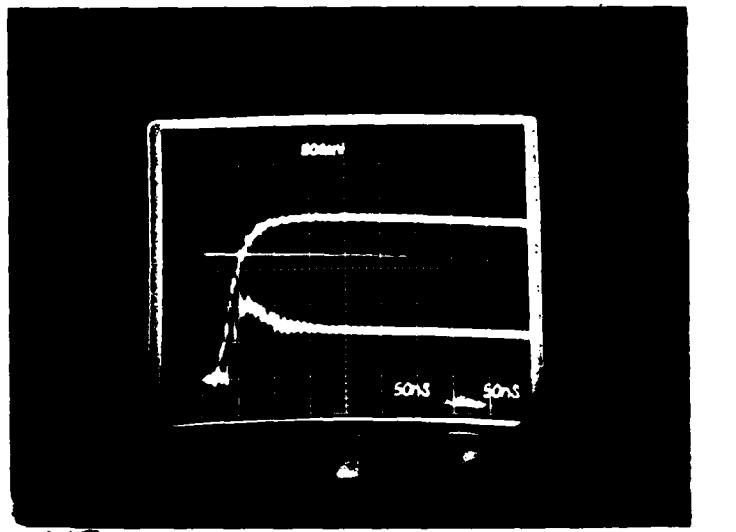
Date	6-10-85
Test Point	6-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1189

DATA @ .05V (100V)

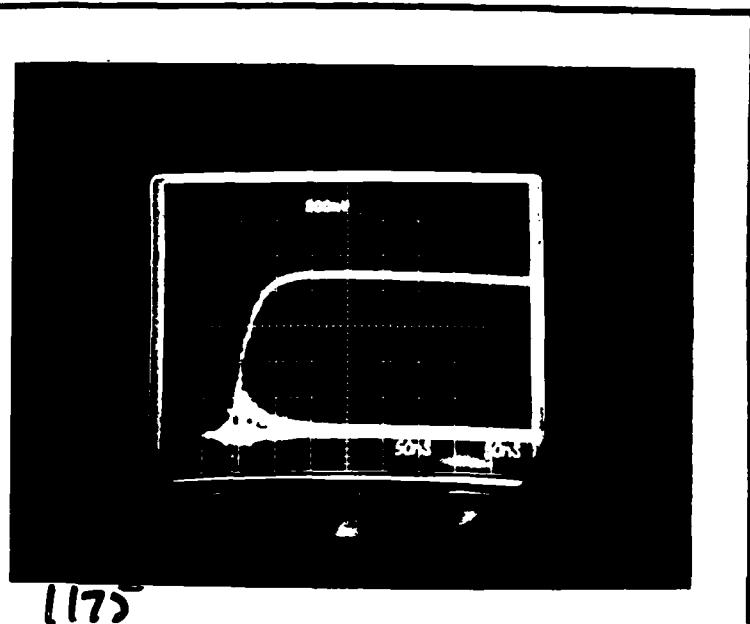
Date	6-10-85
Test Point	6R-CH-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1190

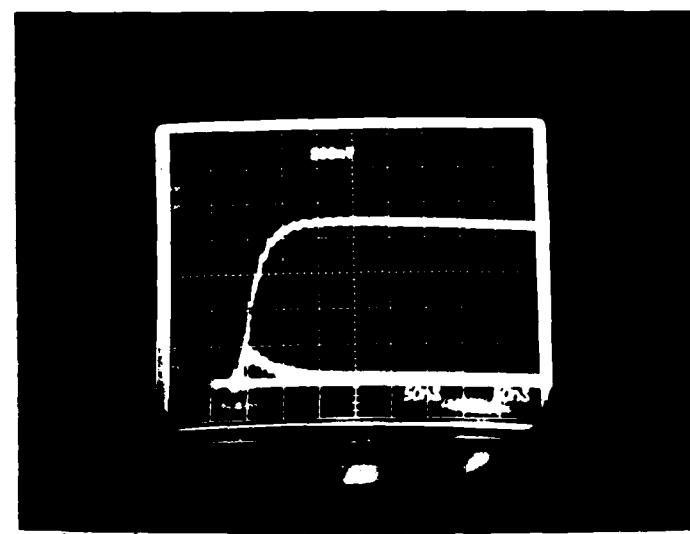
DATA @ .05V (100V)

Date	6-10-85
Test Point	7 - CH - Y10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



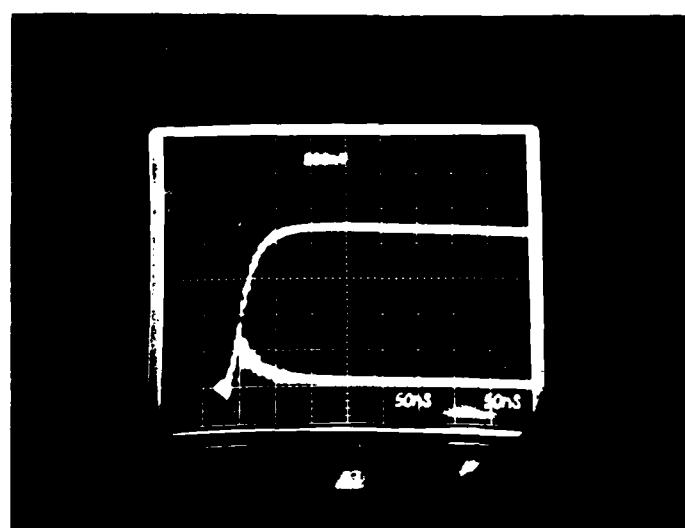
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Date	6-10-85
Test Point	7R - CH - Y10 - Ø
Amplification	dB
Attenuation	20 dB
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Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	



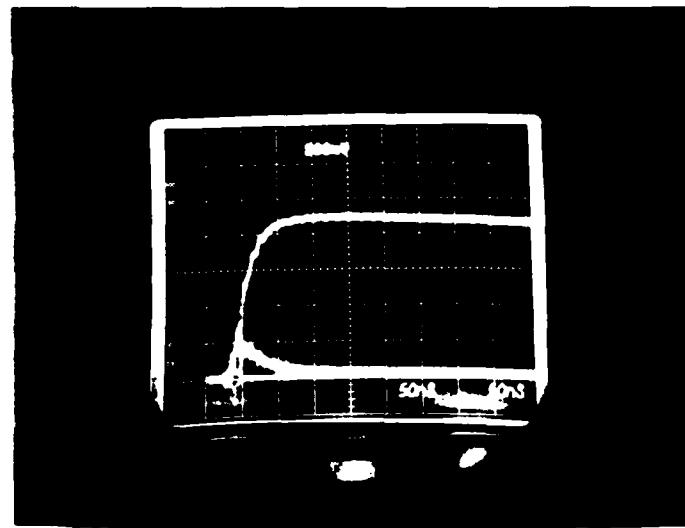
DATA @ .1V (200V)

Date	6-10-85
Test Point	8-C4-Y10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
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Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
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Data Link	
Comments:	



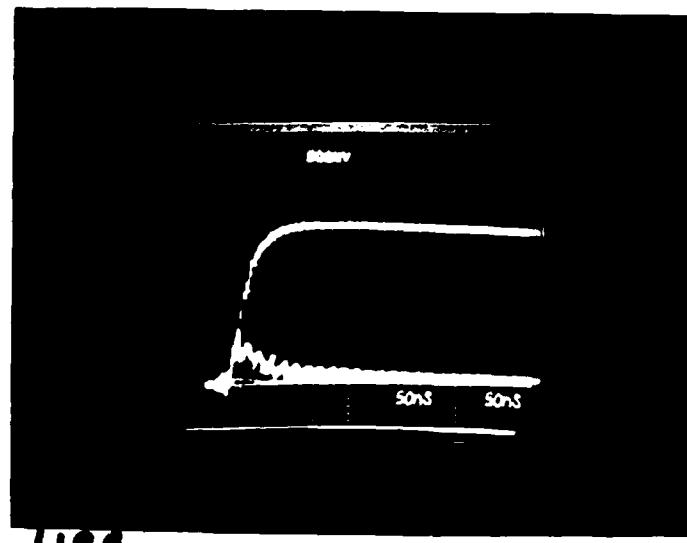
DATA @ ^{LV} (200V)

Date	6-10-85
Test Point	8R-C4-Y10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
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Data Link	
Comments:	



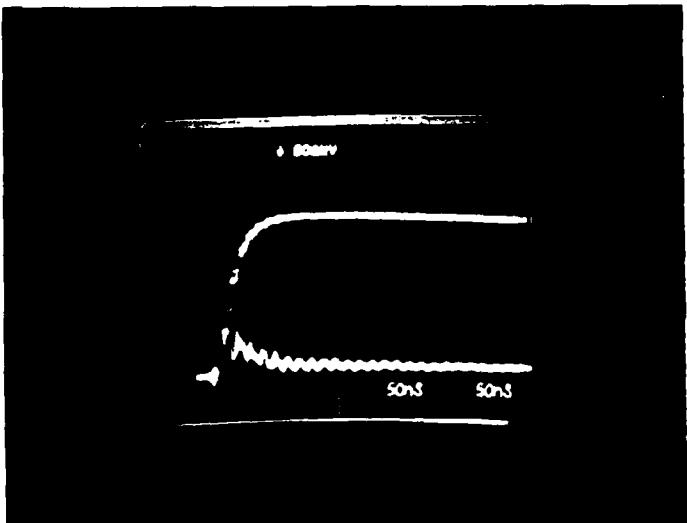
DATA @ ^{LV} (200V)

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Test Point	9-C4 - 110 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1191



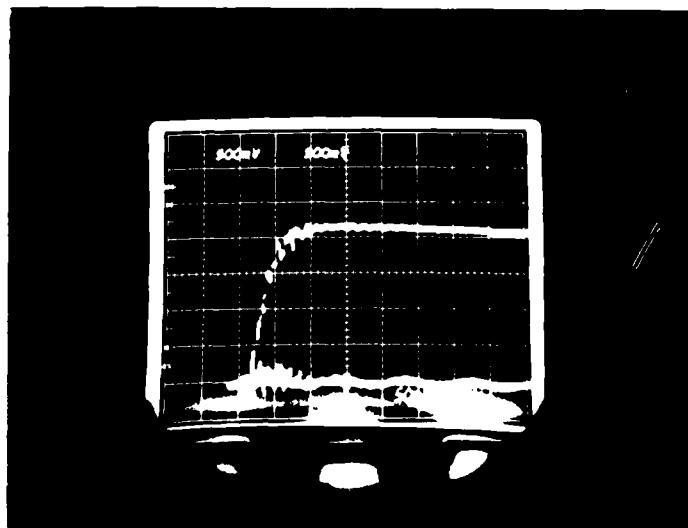
DATA @ .05V (100V)

Date	6-10-85
Test Point	9R-C4 - 110 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
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Vertical	ns/div 2
Configuration	
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Comments:	1192

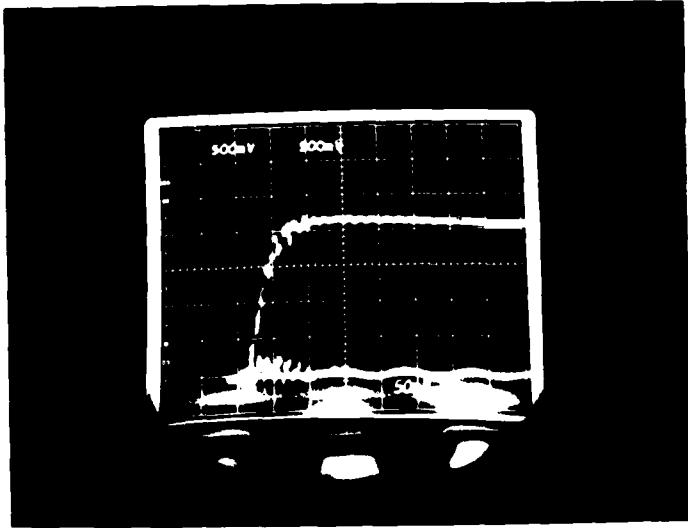


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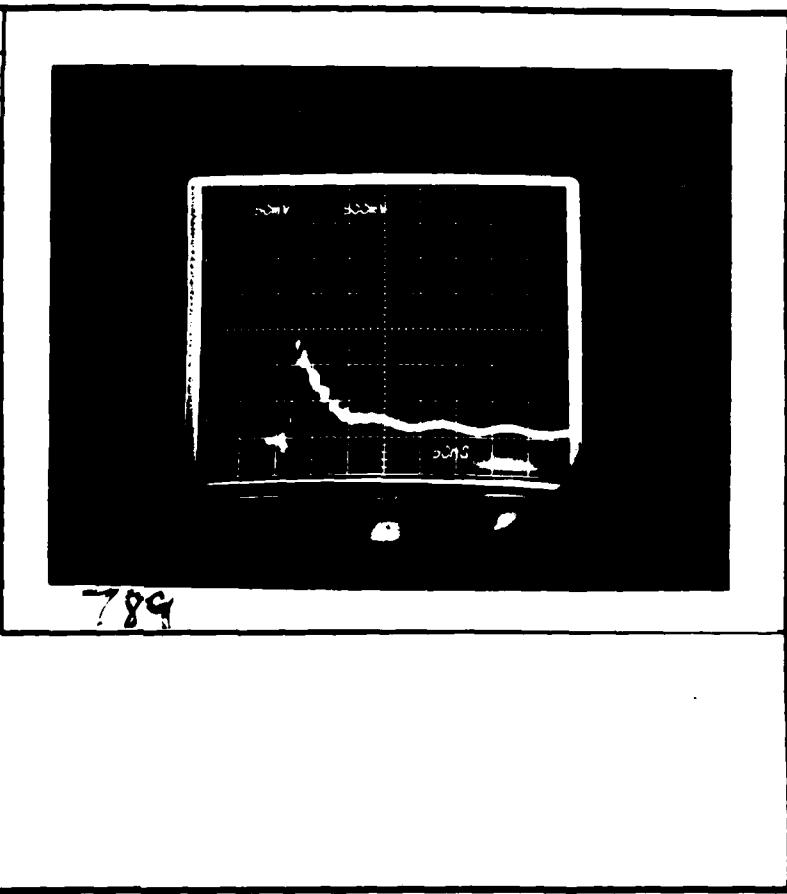
Date	6-5-85
Test Point	10 - CH - 1/10 - A
Amplification	dB
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Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	27



Date	6-5-85
Test Point	10R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	738



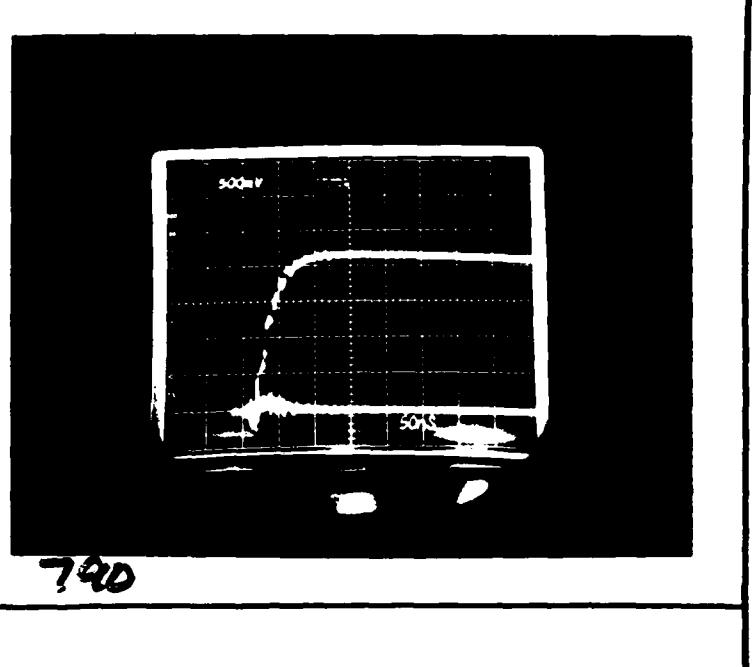
Date	6-5-85
Test Point	10 - CH - 1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	729



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	10 - CH-1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

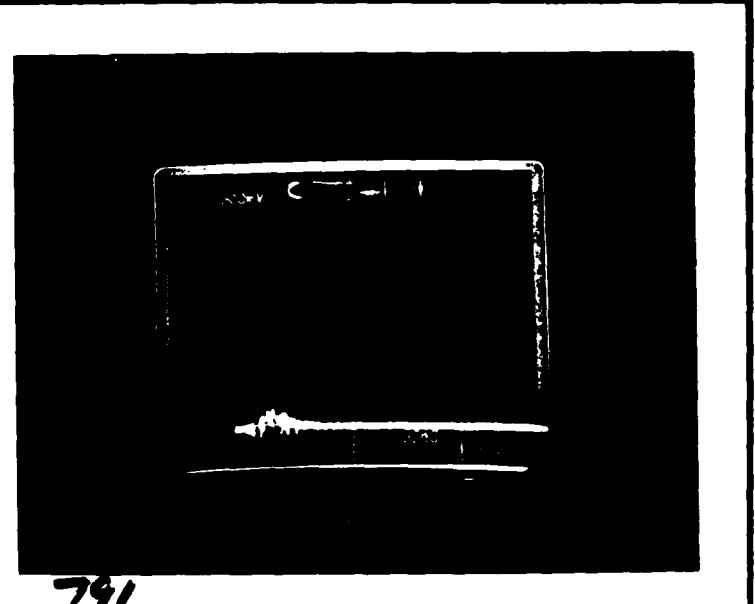
790



790

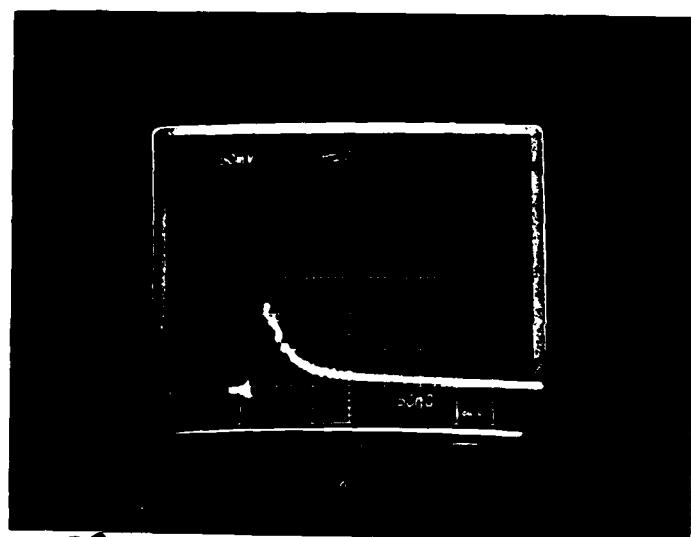
Date	6-5-85
Test Point	10R - CH-1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

791



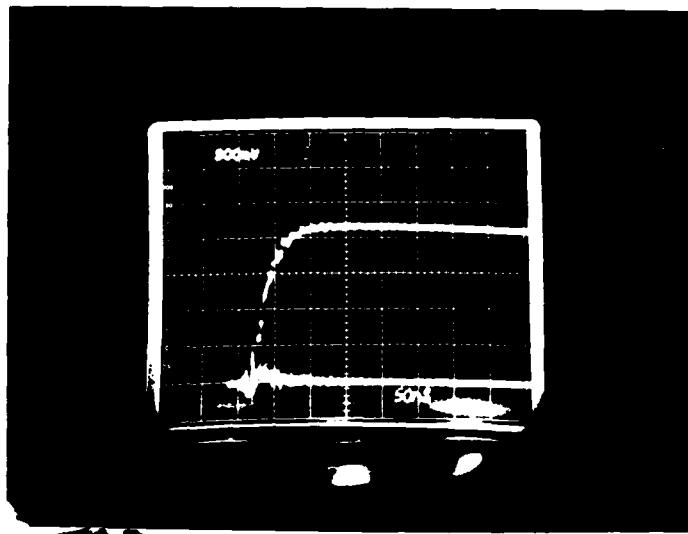
791

Date	6-5-85
Test Point	10-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

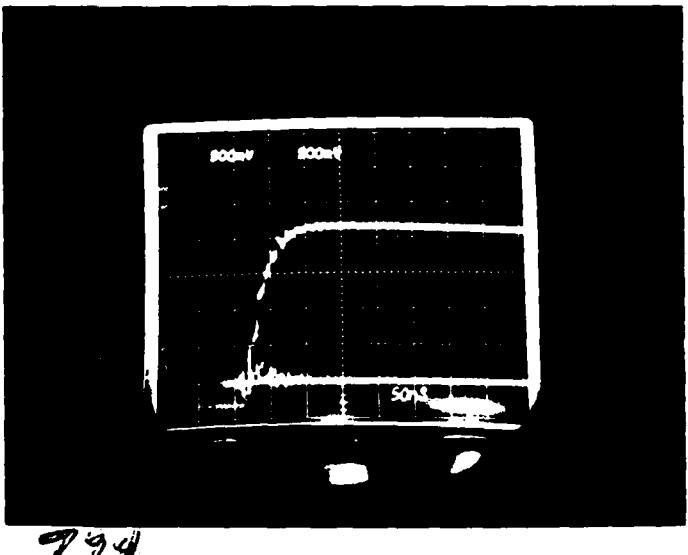


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

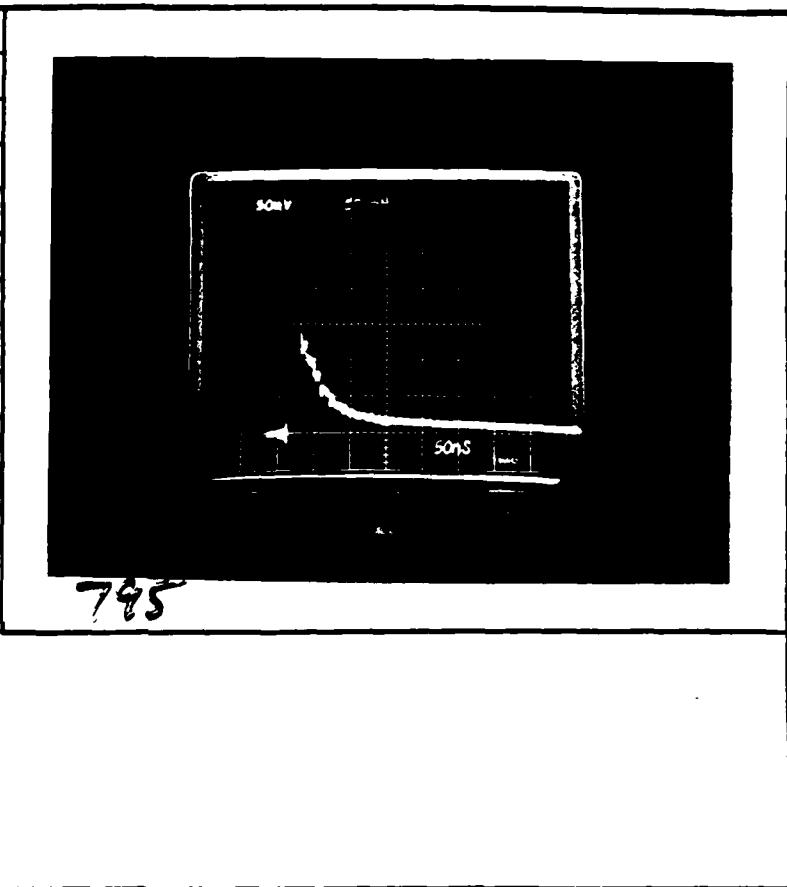
Date	6-5-85
Test Point	10 - CH - Y10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	7-13



Date	6-5-85
Test Point	10R - CH - Y10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	7-14

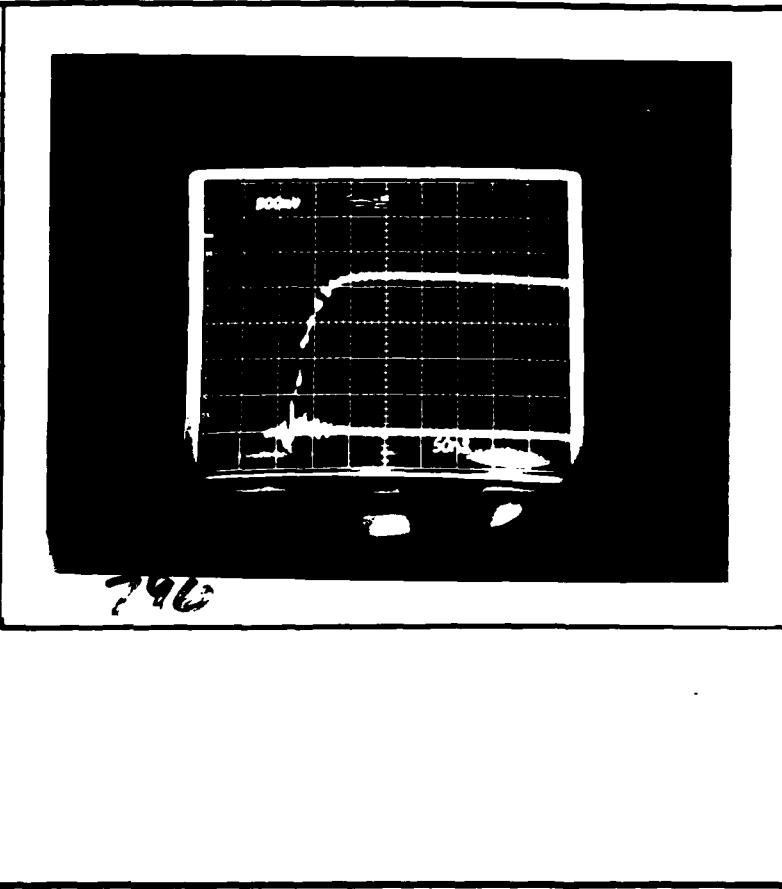


Date	6-5-85
Test Point	10-C14-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	775

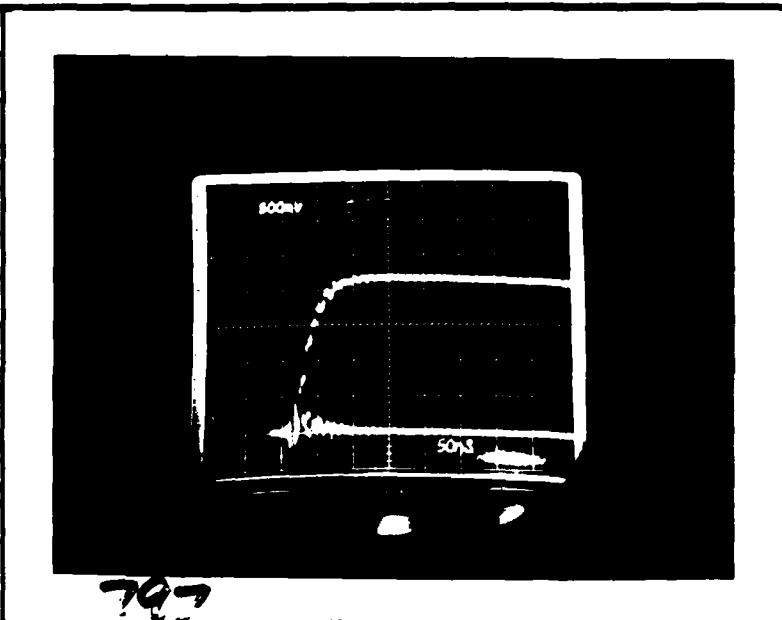


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

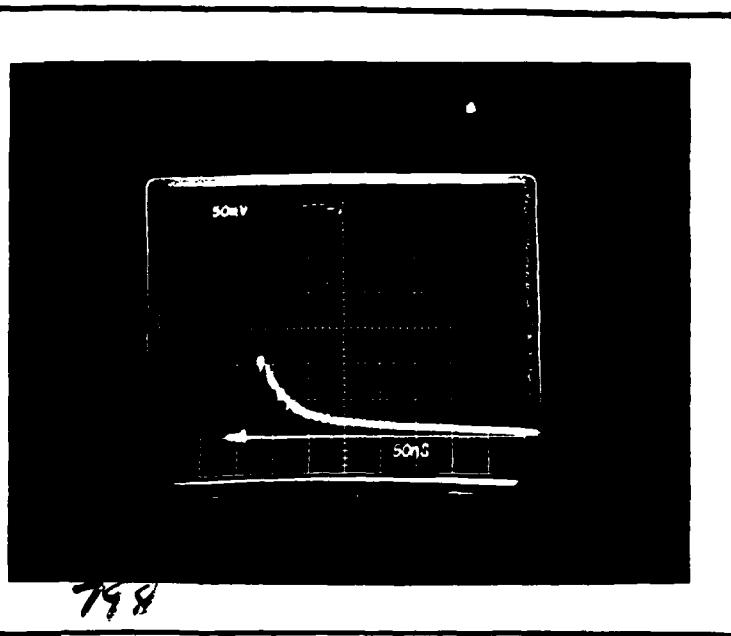
Date	6-5-85
Test Point	10 - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



Date	6-5-85
Test Point	10R - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	777



Date	6-5-85
Test Point	10 - CH - 1/20 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	798

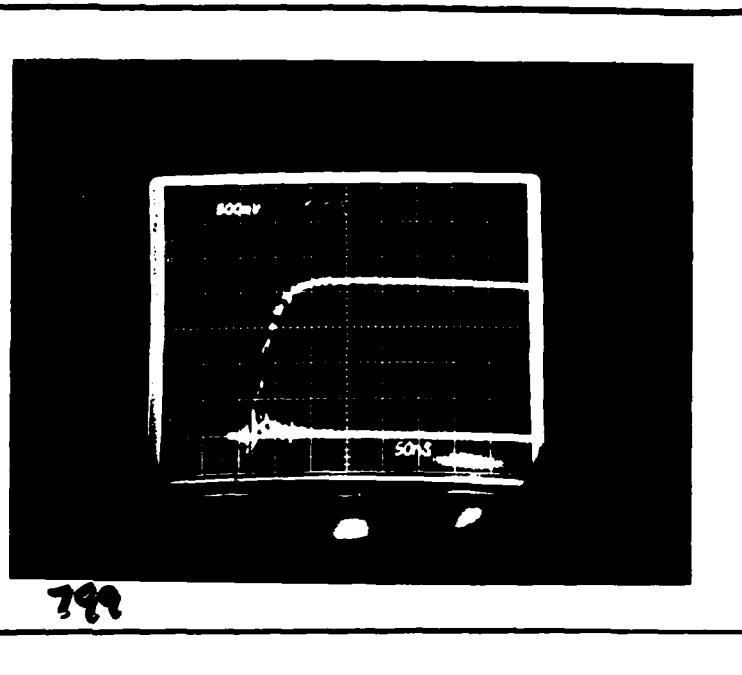


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	10 - CH - 1/10 - E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

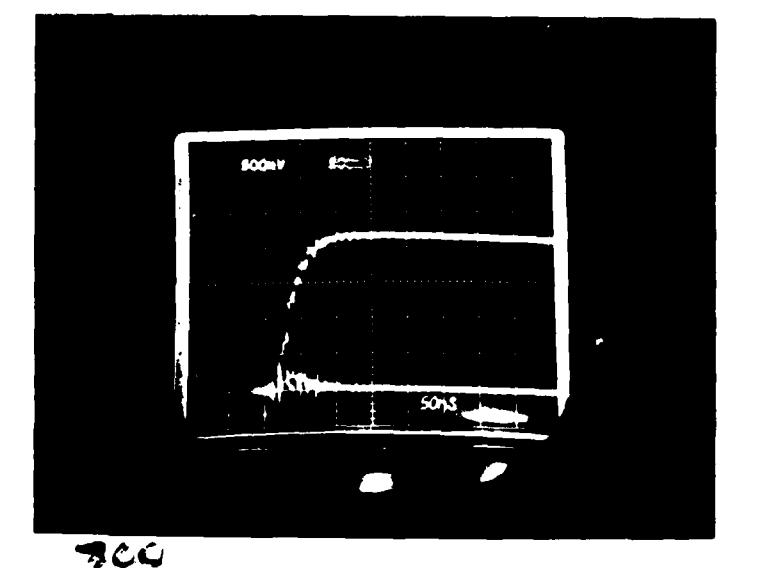
779



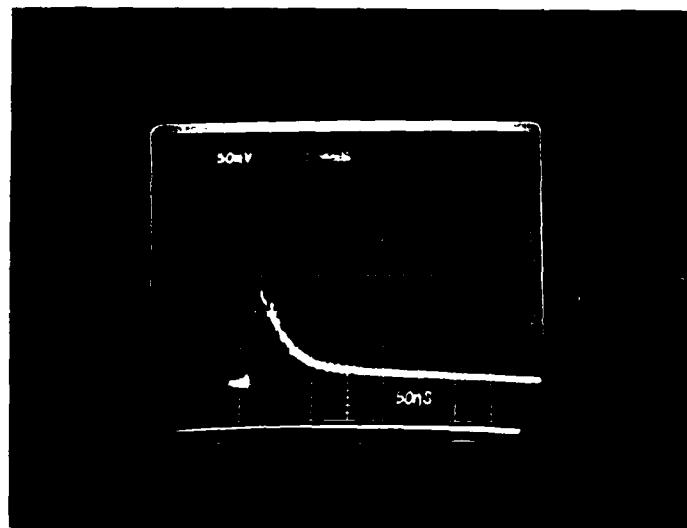
Date	6-5-85
Test Point	10R - CH - 1/10 - E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

3m

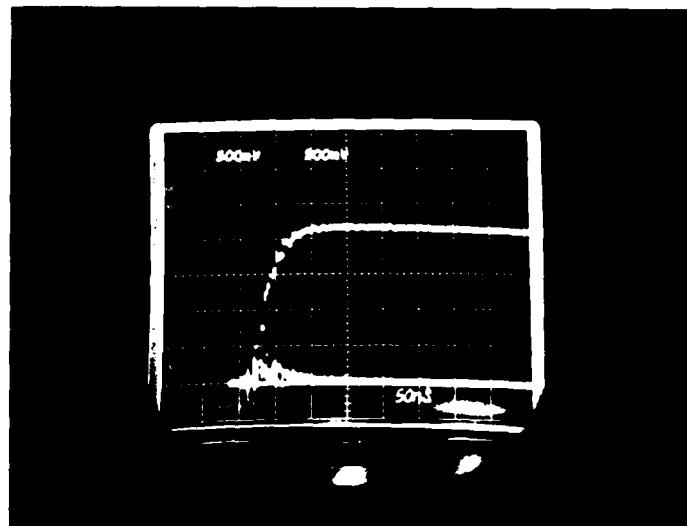


Date	6-5-85
Test Point	1D-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	801

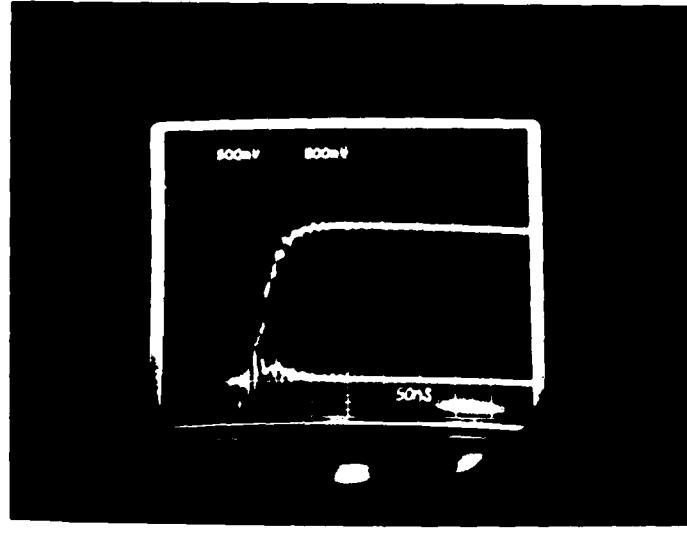


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

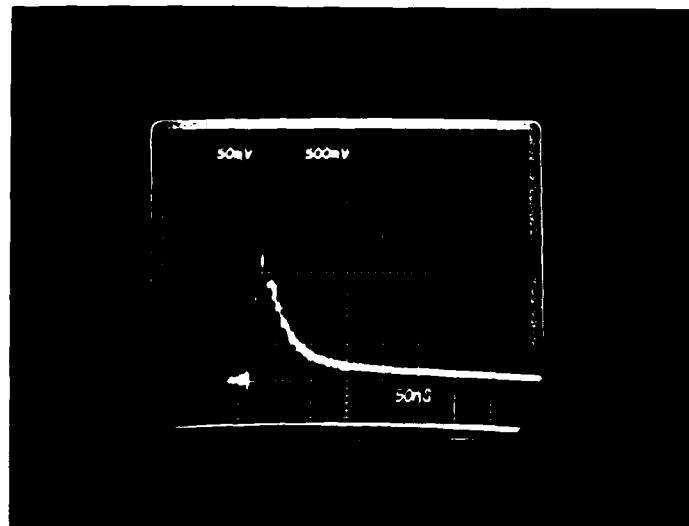
Date	6-5-85
Test Point	11-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	202



Date	6-5-85
Test Point	11R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	203

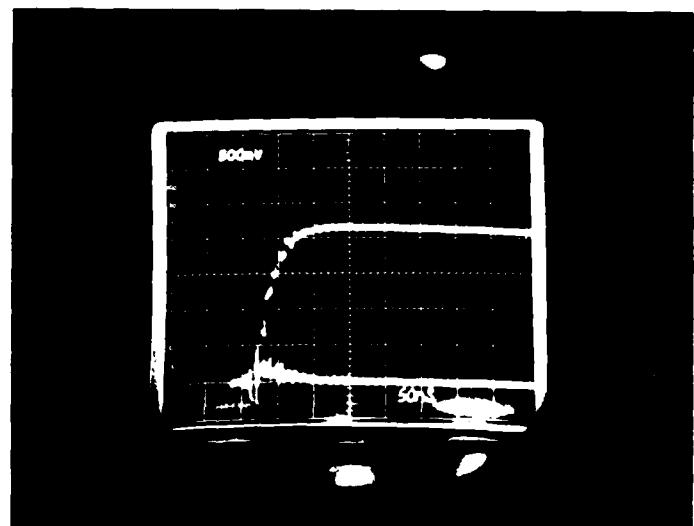


Date	6-5-83
Test Point	11 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	1.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	$\leftarrow 4500\sqrt{}$
Data Link	
Comments:	804



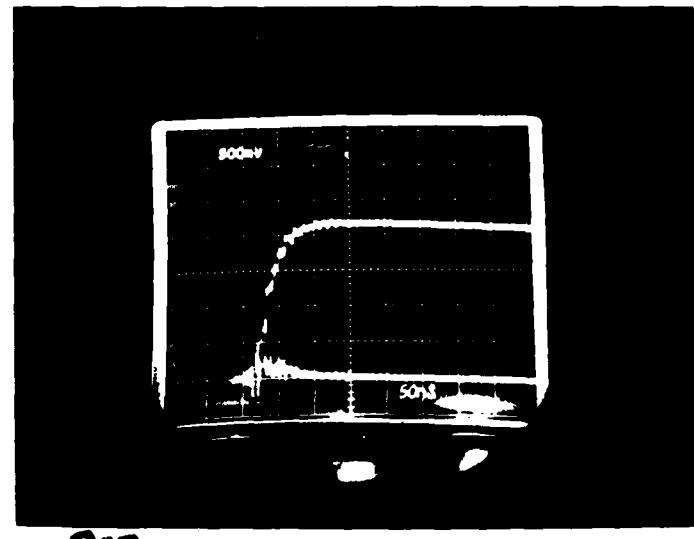
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	806



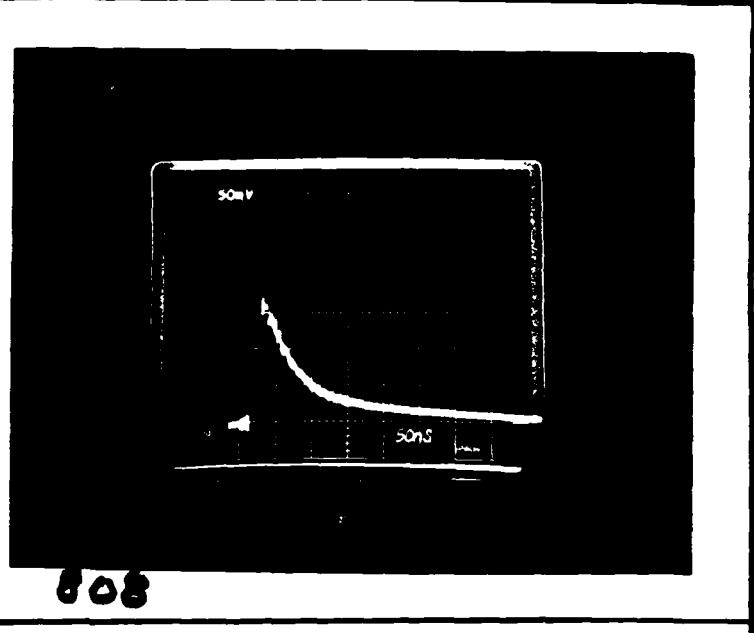
806

Date	6-5-85
Test Point	11R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	807



807

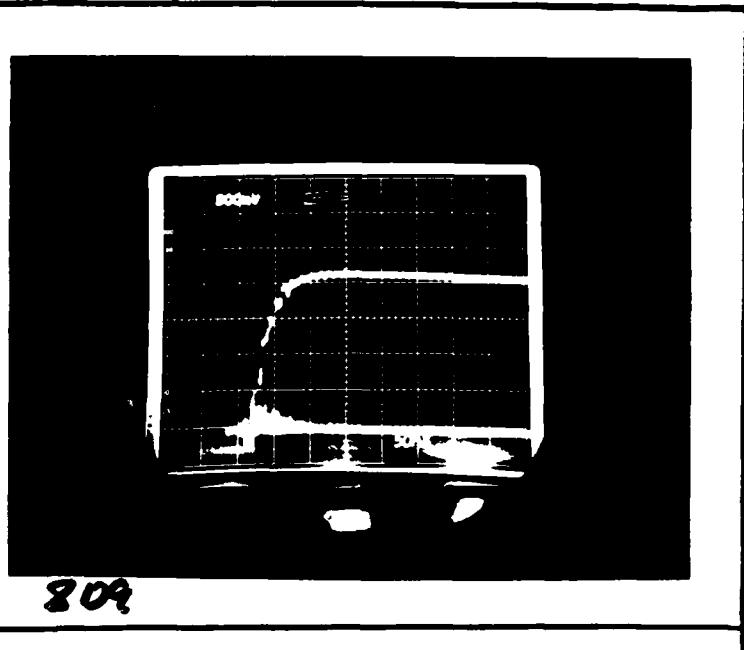
Date	6-5-85
Test Point	II - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical ,05 (10mV)	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	502



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

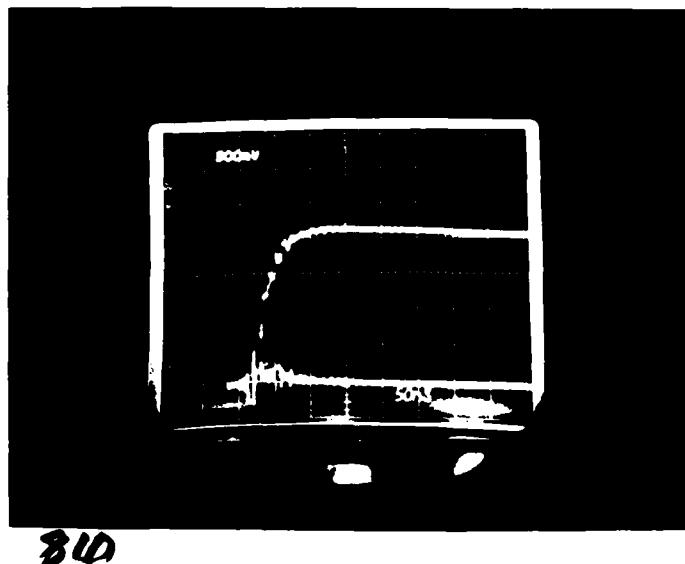
Date	6-5-85
Test Point	11-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

807

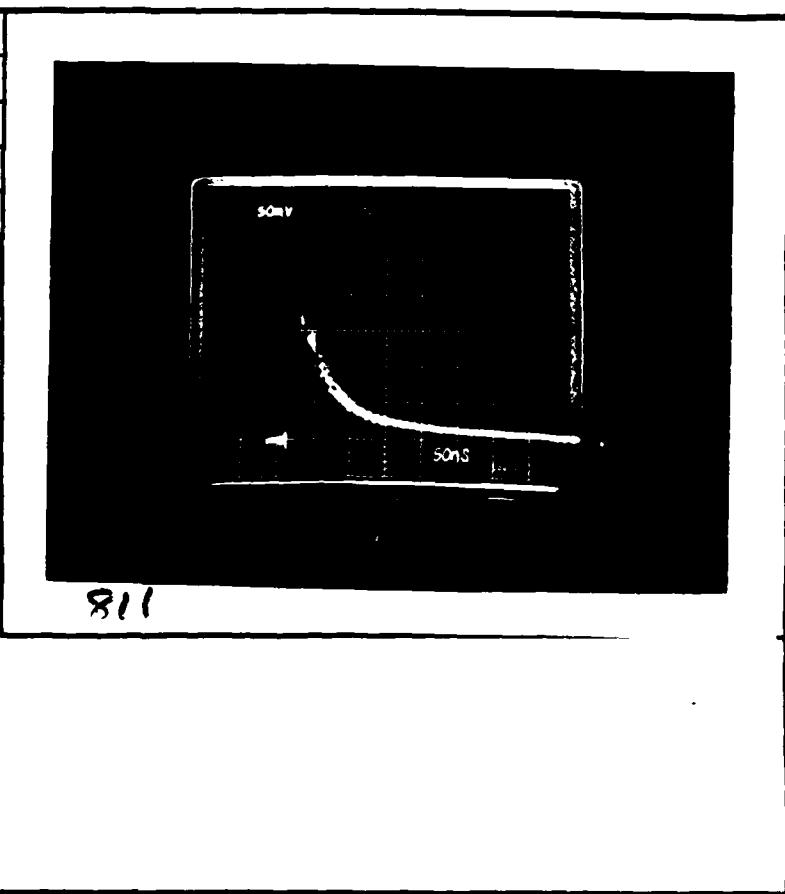


Date	6-5-85
Test Point	11R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

E10

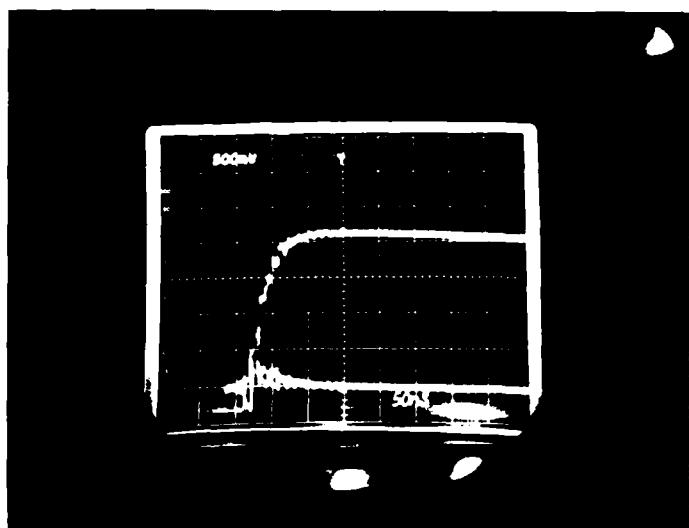


Date	6-5-85
Test Point	11-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	811



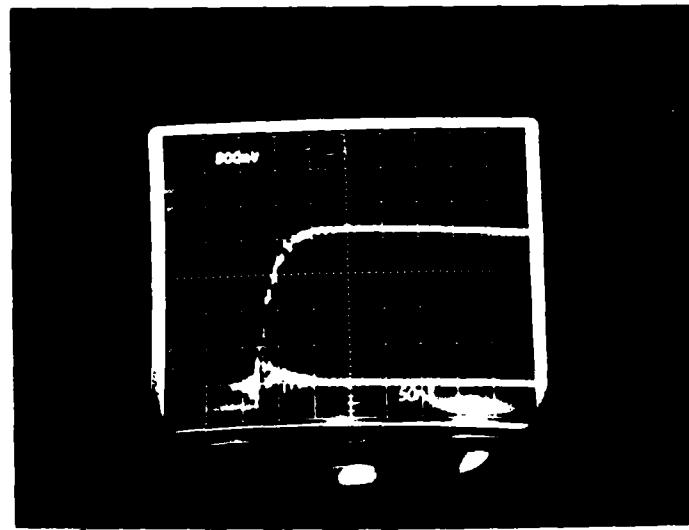
Data	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-Y10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	E12



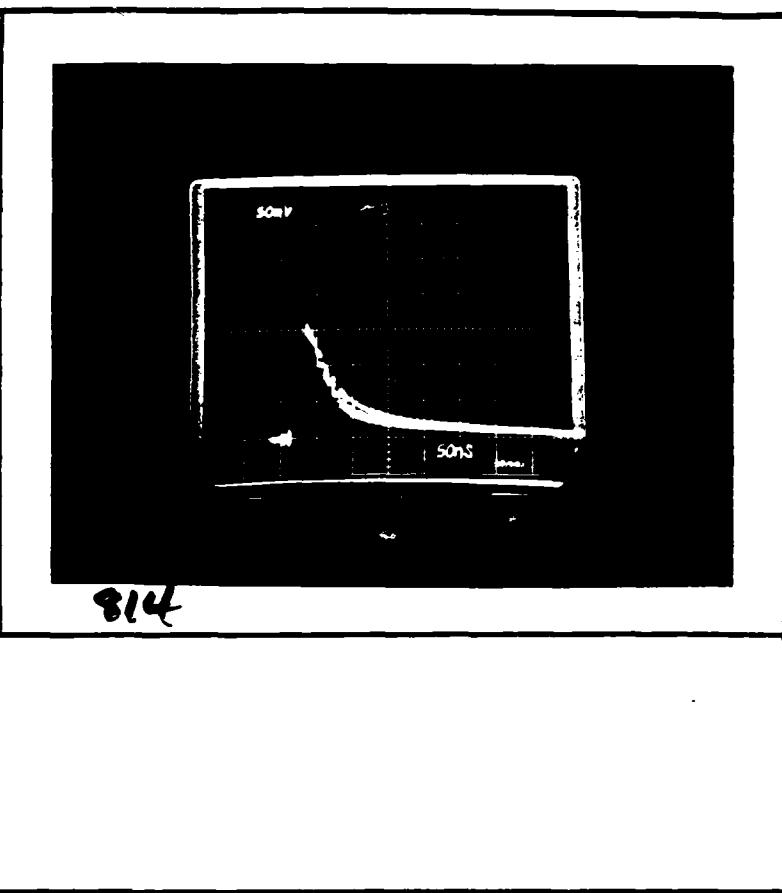
E12

Date	6-5-85
Test Point	11R-CH-Y10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	E13



E13

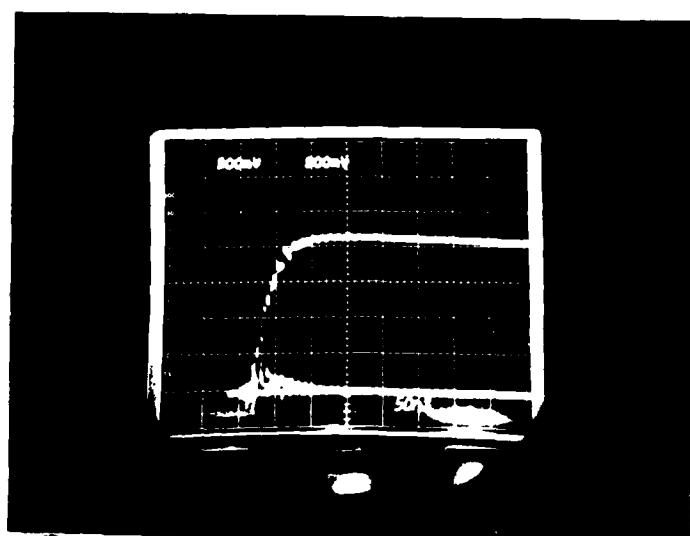
Date	6-5-85
Test Point	II- CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	814



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	11-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	

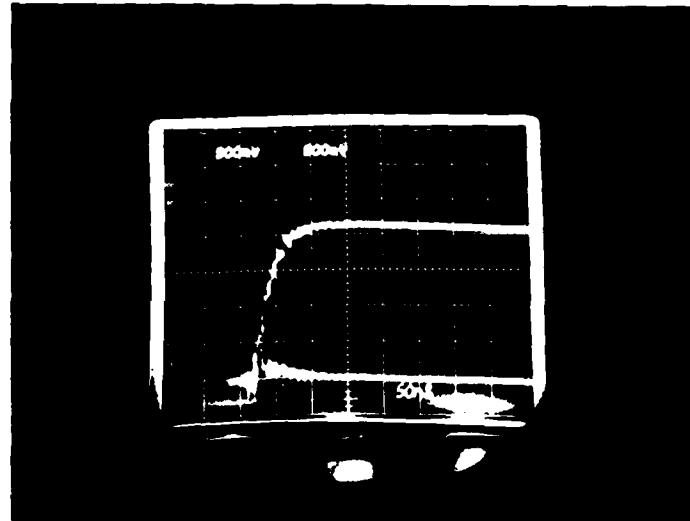
815



815

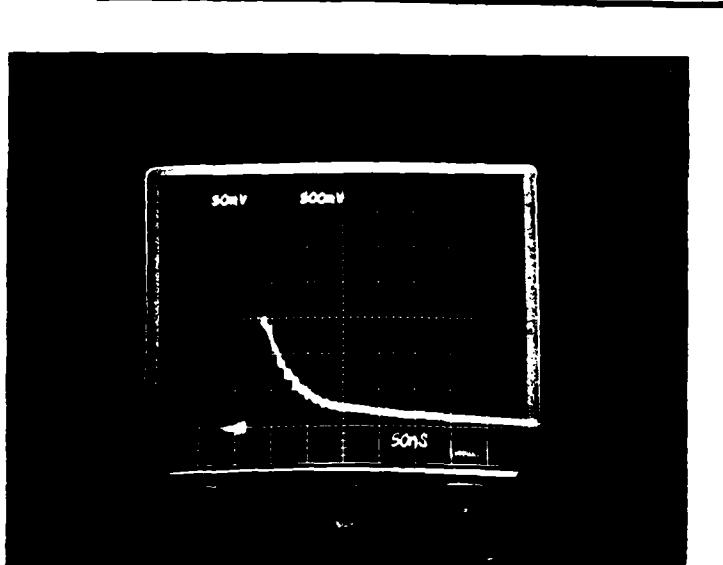
Date	6-5-85
Test Point	11R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	

816



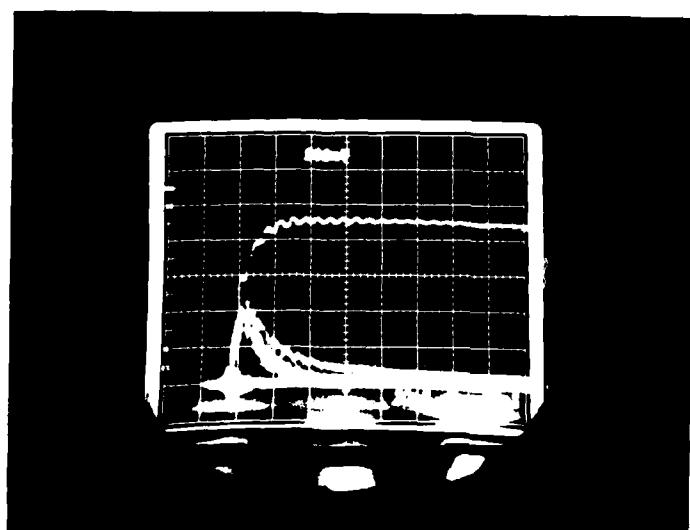
816

Date	6-5-85
Test Point	11-CH-110-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	517



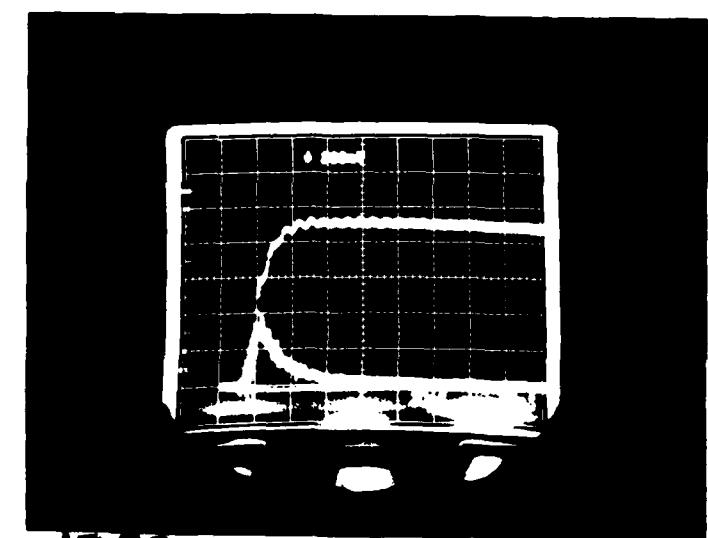
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-11-85
Test Point	12 - CH - 1/10 - 16
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	"COMMON" LEAD



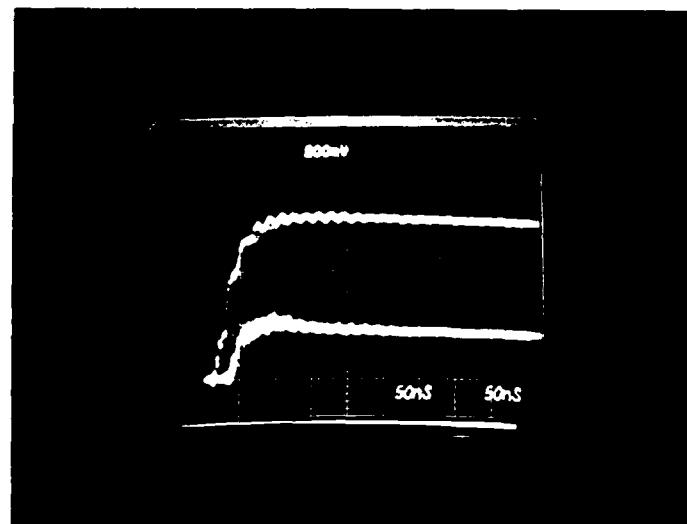
DATA @ .1V(200V)

Date	6-11-85
Test Point	12R - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	



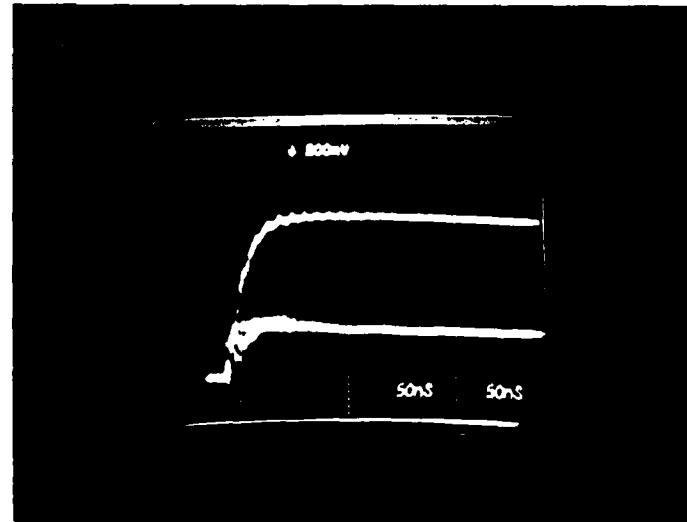
DATA @ .1V(200V)

Date	6-11-85
Test Point	12-C4-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	"HOT" LEADS



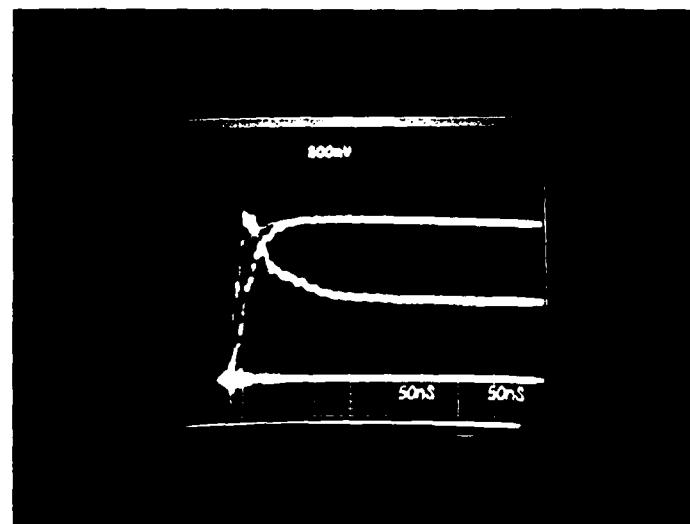
DATA @ .2(400)

Date	6-11-85
Test Point	12R-C4-1/10-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	"HOT" LEADS



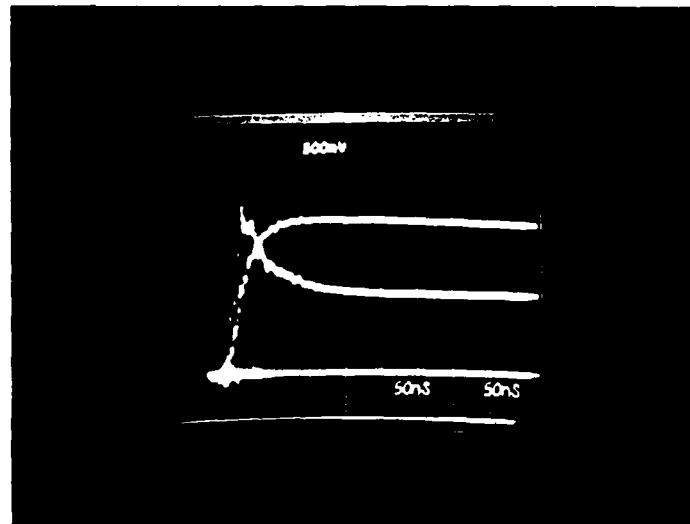
DATA @ .2(400V)

Date	6-11-85
Test Point	13 - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1195



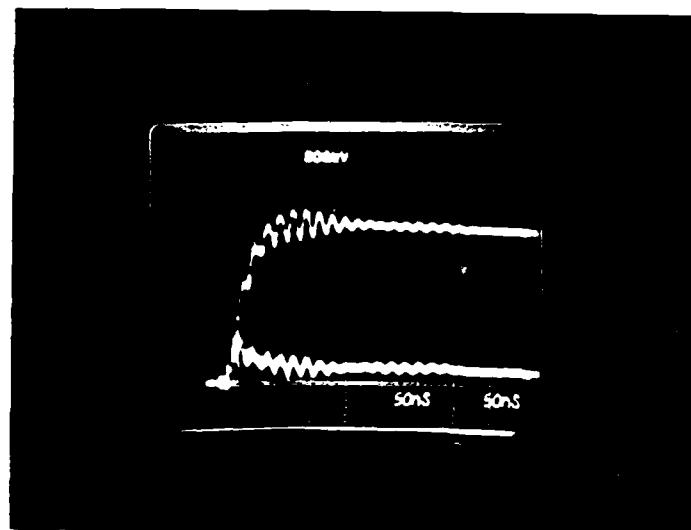
DATA @ .1V (200V)

Date	6-11-85
Test Point	13R - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1195



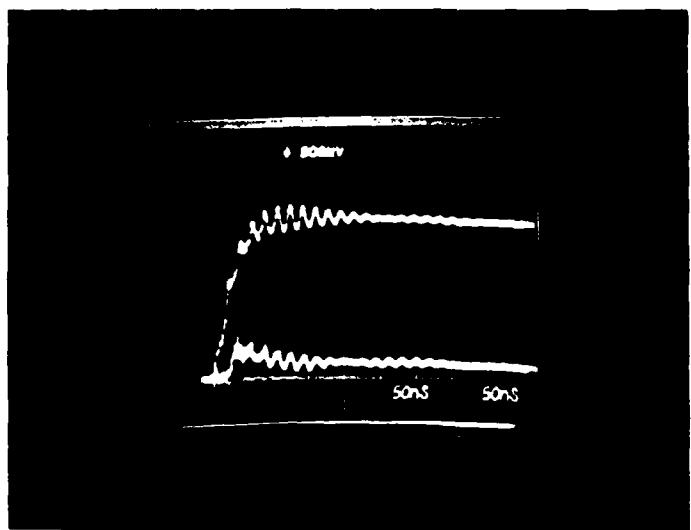
DATA @ .1V (200V)

Date	6-11-85
Test Point	14 - CH - Y ₁₀ - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #2 SILVER
Pulser Level	+4500V
Data Link	
Comments:	11 S.S.



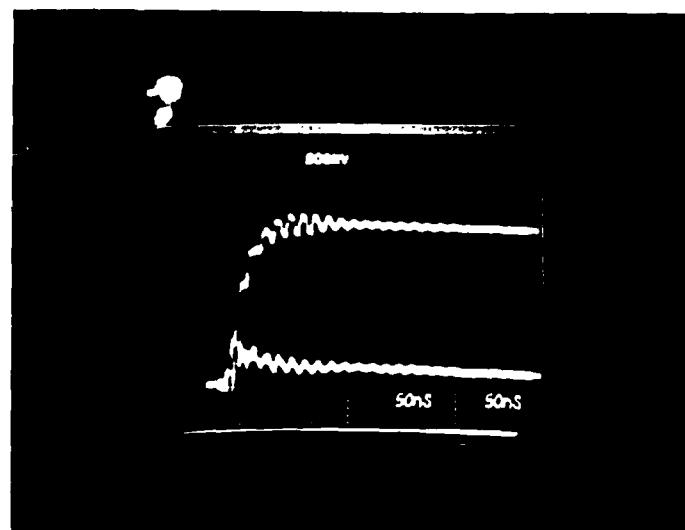
DATA @ .05V (100V)

Date	6-11-85
Test Point	14R - CH - Y ₁₀ - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #2 SILVER
Pulser Level	-4500V
Data Link	
Comments:	12 S.S.

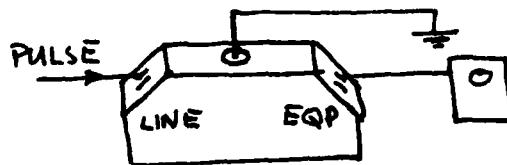


DATA @ .05V (100V)

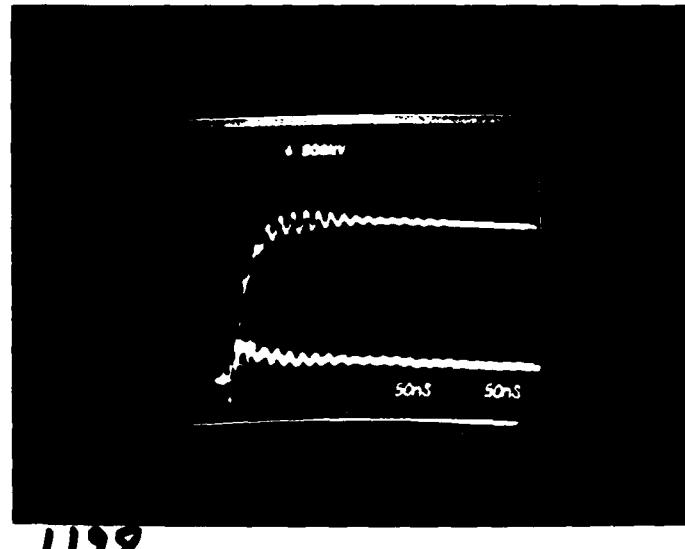
Date	6-11-85
Test Point	14-CH-110-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #L-BRASS
Pulse Level	+4500V
Data Link	
Comments:	1197



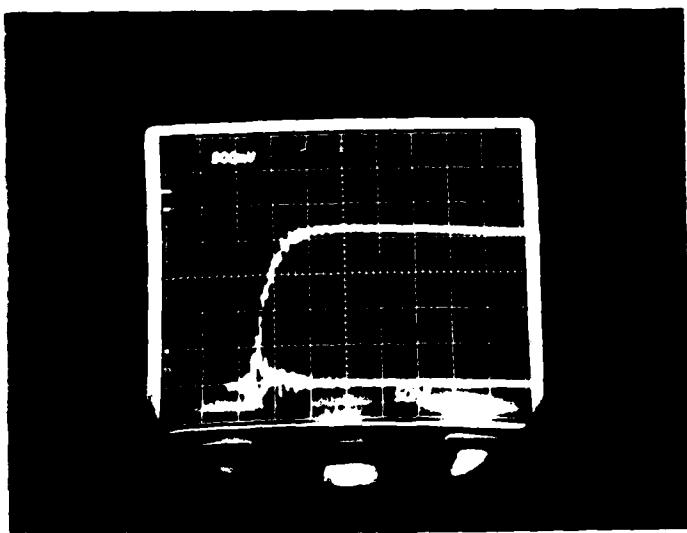
DATA @ .05V(100V)



Date	6-11-85
Test Point	14R-CH-110-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	LINE #L BRASS
Pulse Level	-4500V
Data Link	
Comments:	1198



DATA @ .05V(100V)



824

Date	6-5-85
Test Point	15 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	

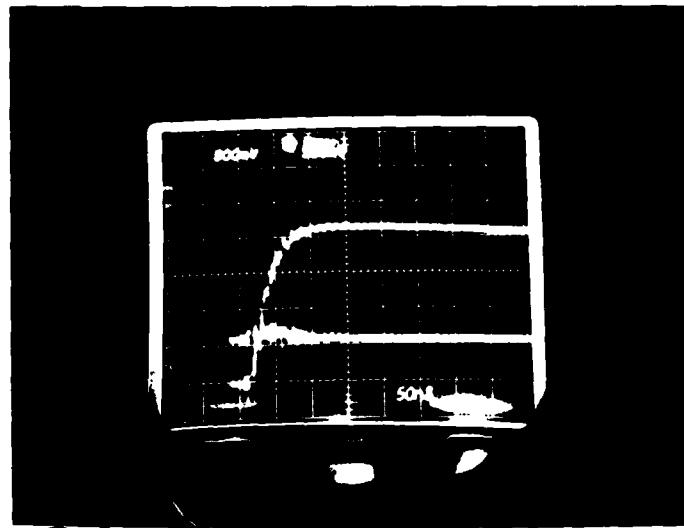
818



818

Date	6-5-85
Test Point	15R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	

819

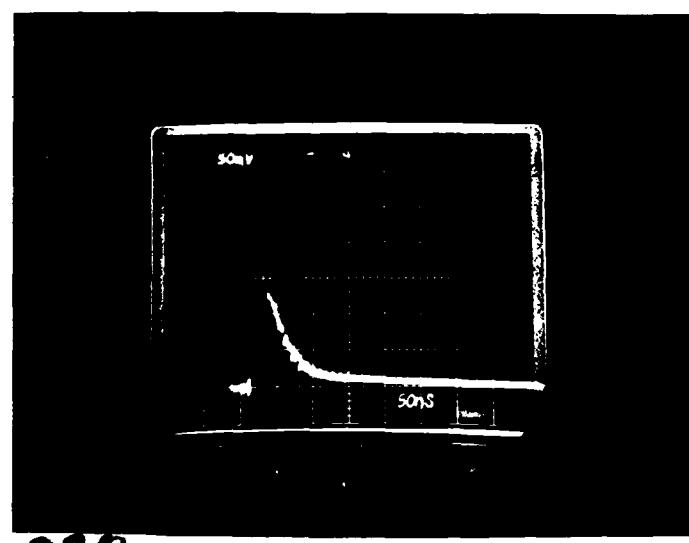


819

BASELINE OFFSET BY +/-10V - NO EXPLANATION GIVEN OR OFFERED

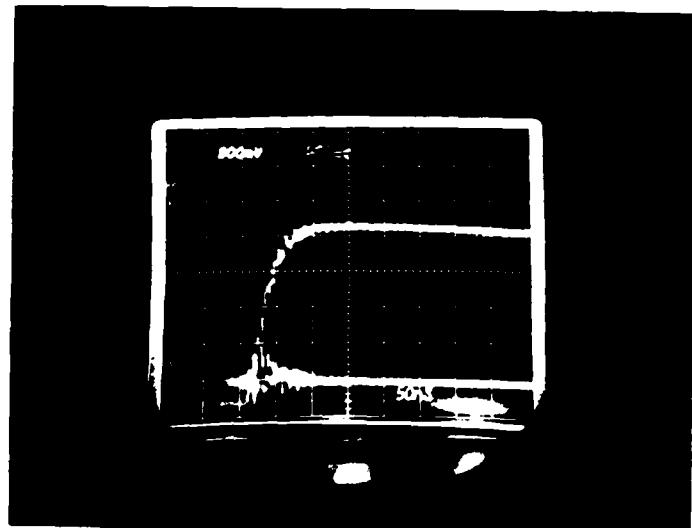
819 REPEAT ON BACK - # 821

Date	6-5-85
Test Point	15-CH-110-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	820

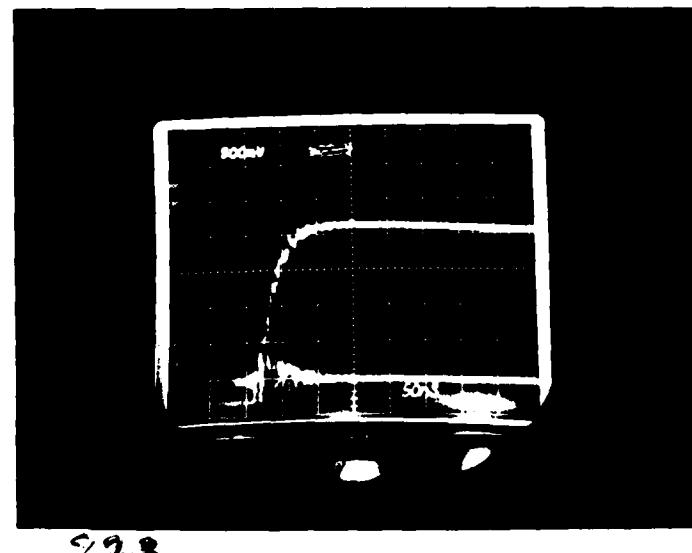


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

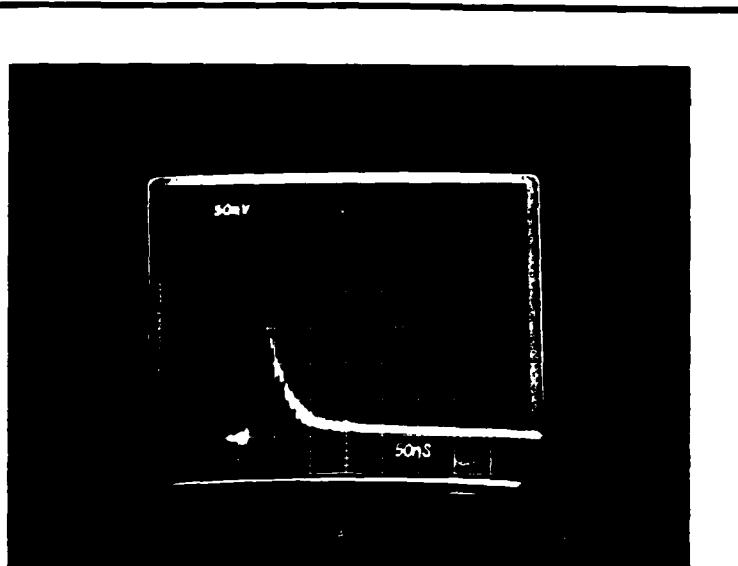
Date	6-5-85
Test Point	15-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	<i>222</i>



Date	6-5-85
Test Point	15R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	<i>223</i>

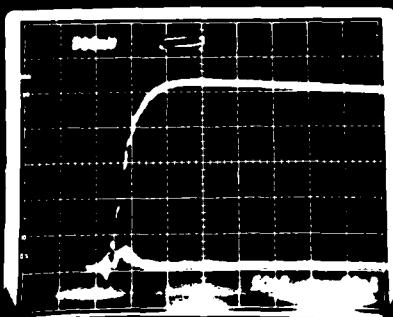


Date	6-5-85
Test Point	15-C14- 1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	824



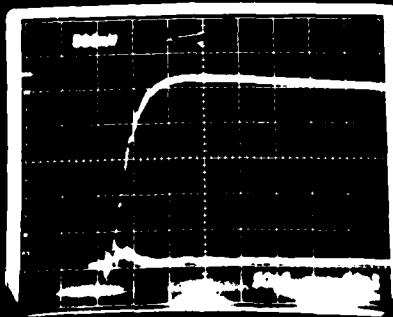
Data	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	15-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



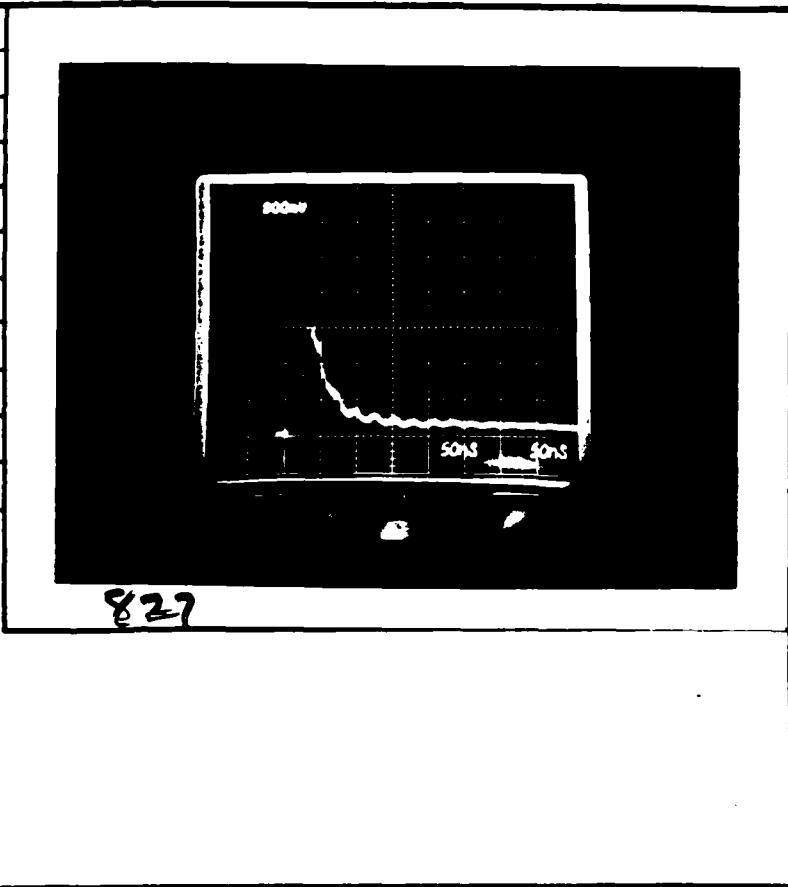
825

Date	6-5-85
Test Point	15R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	



826

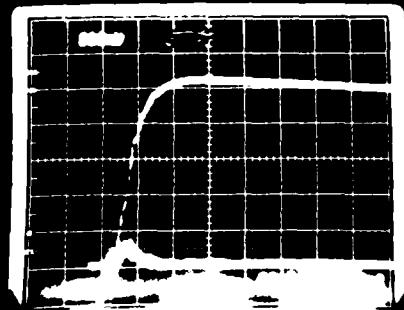
Date	6-5-85
Test Point	15-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	827



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	15-C4-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

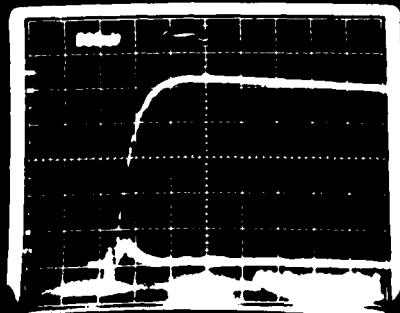
328



828

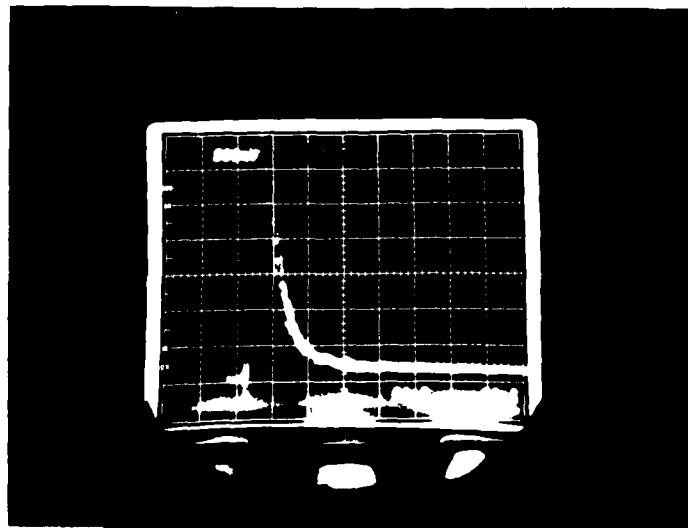
Date	6-5-85
Test Point	15R-C4-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

321



829

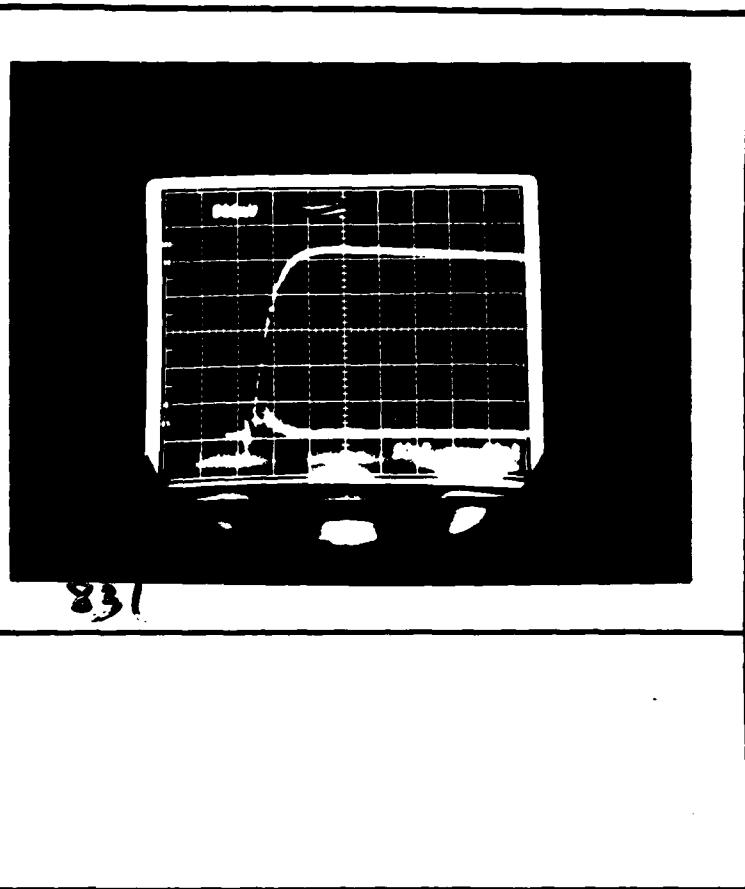
Date	6-5-85
Test Point	15-CH-1/10-0
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(36V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	<i>83</i>



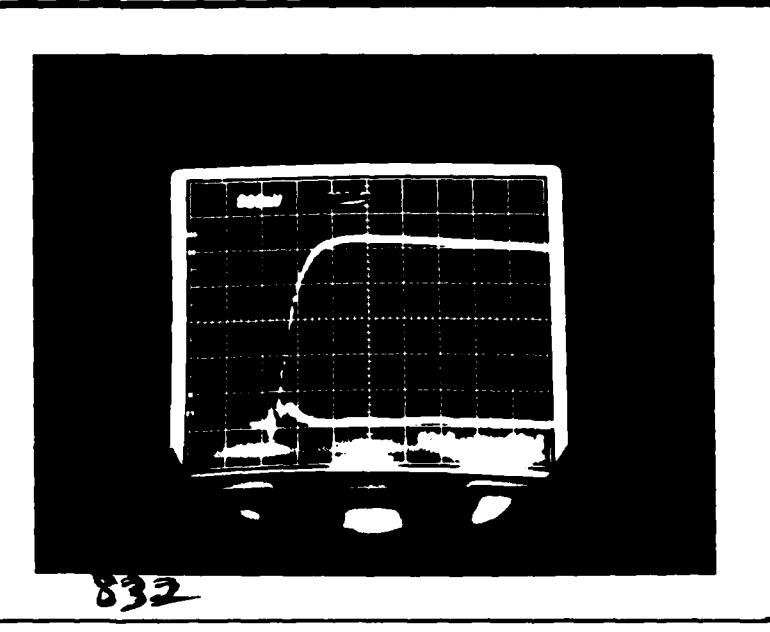
830

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

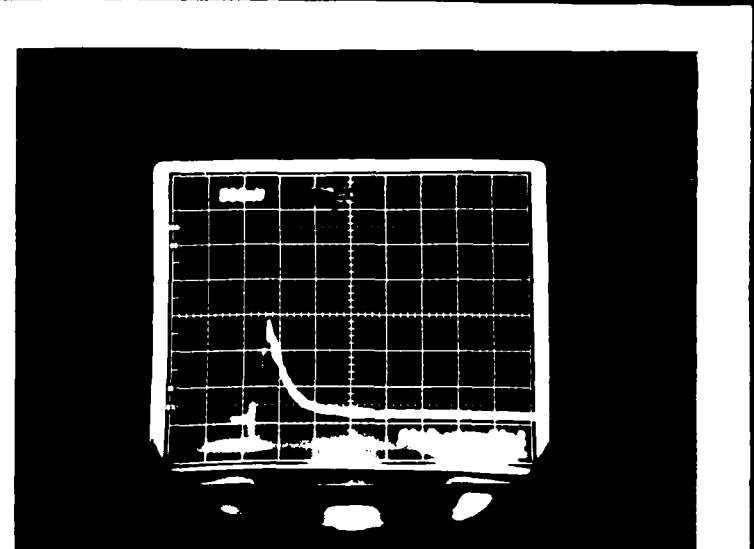
Date	6-5-85
Test Point	15-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	,5V(860V) mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	231



Date	6-5-85
Test Point	15R-CH-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	232



Date	6-5-85
Test Point	15-CH-4D-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	50V(100V) mV/div 1
Horizontal	-1V(200V)ns/div 2
Vertical	50V ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	



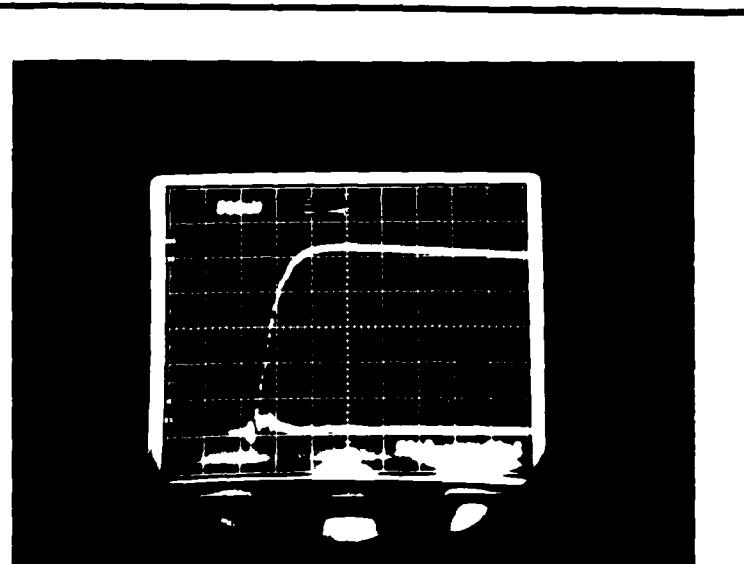
• 1V(172V)/DIV

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	17 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	

Comments:

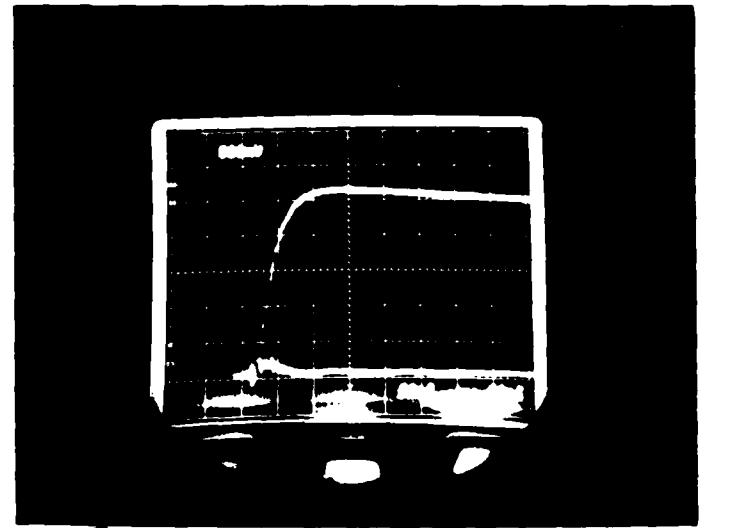
83



~~833~~ 834

Date	6-6-85
Test Point	17R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	

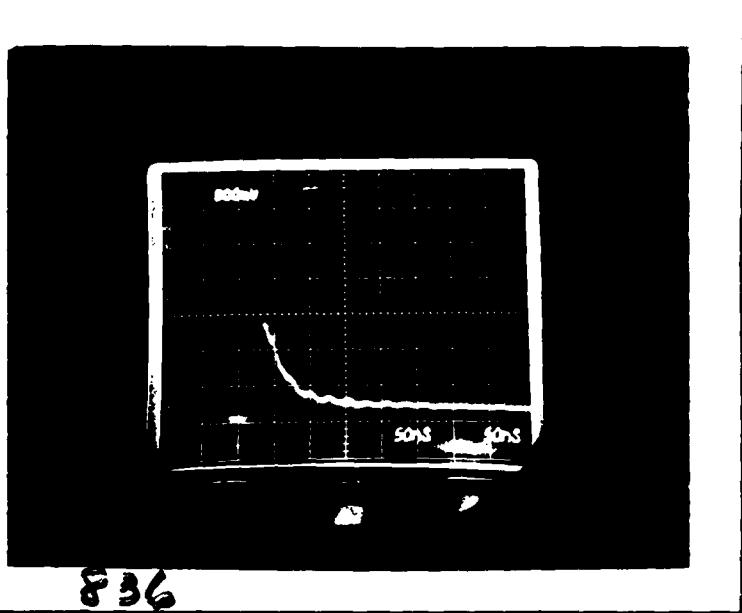
Comments:



835

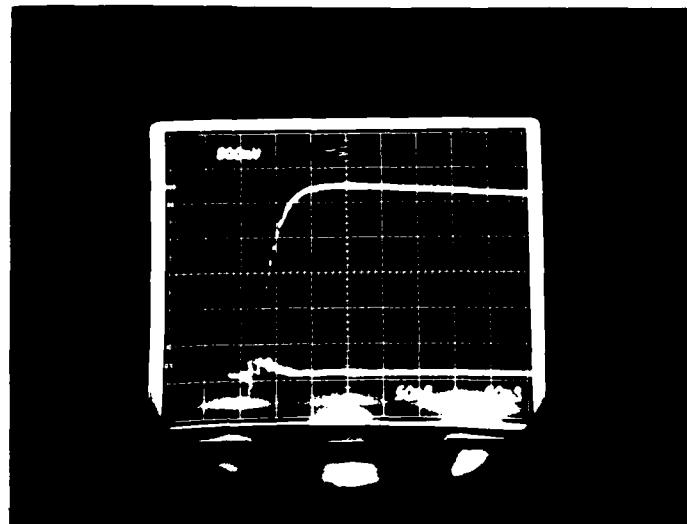
Date	6-6-85
Test Point	17-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	

834



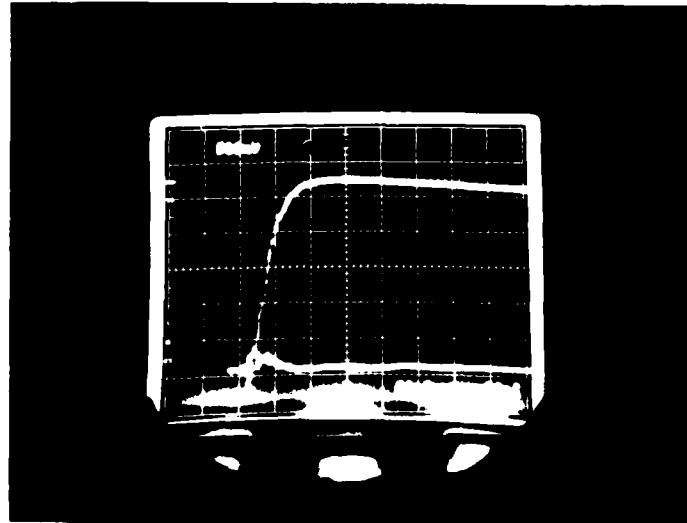
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	17-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



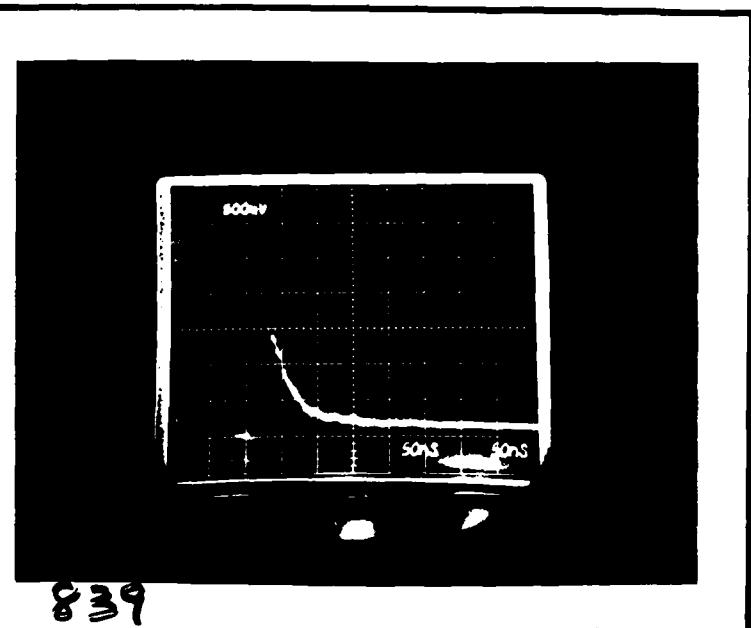
837

Date	6-6-85
Test Point	17R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	



838

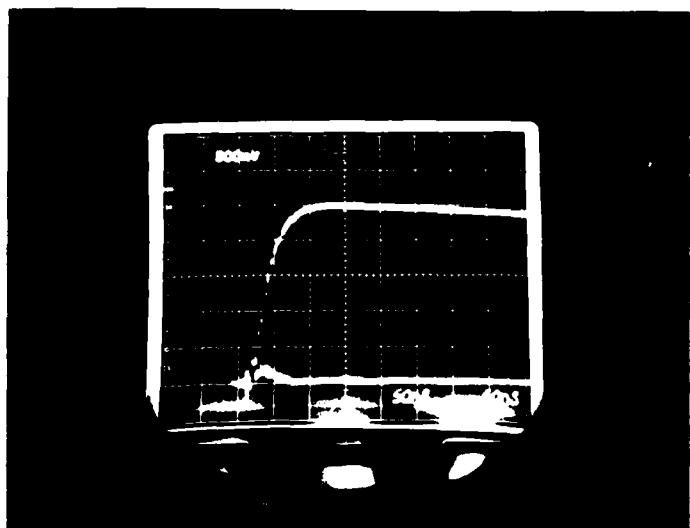
Date	6-6-85
Test Point	17-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V-(86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	839



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	17-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

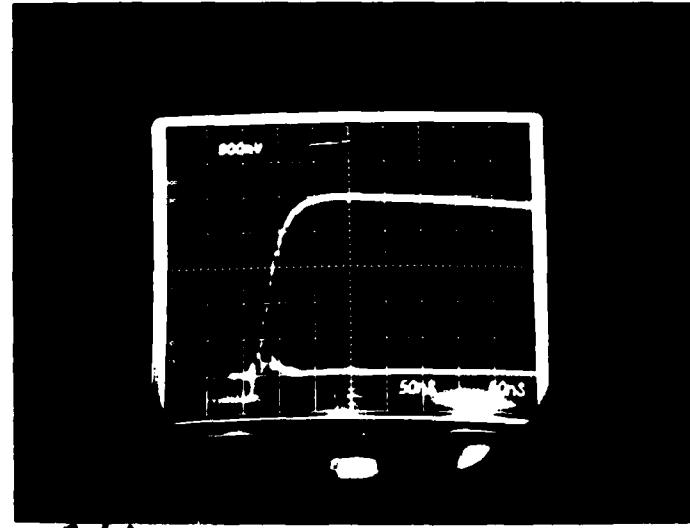
840



840

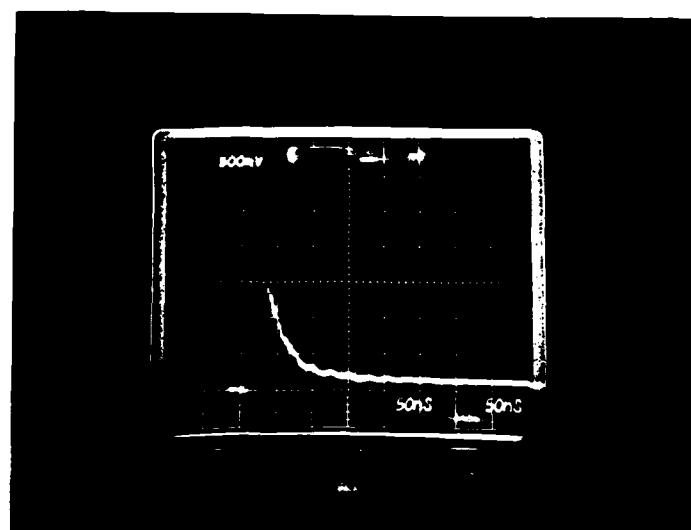
Date	6-6-85
Test Point	17R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

841



841

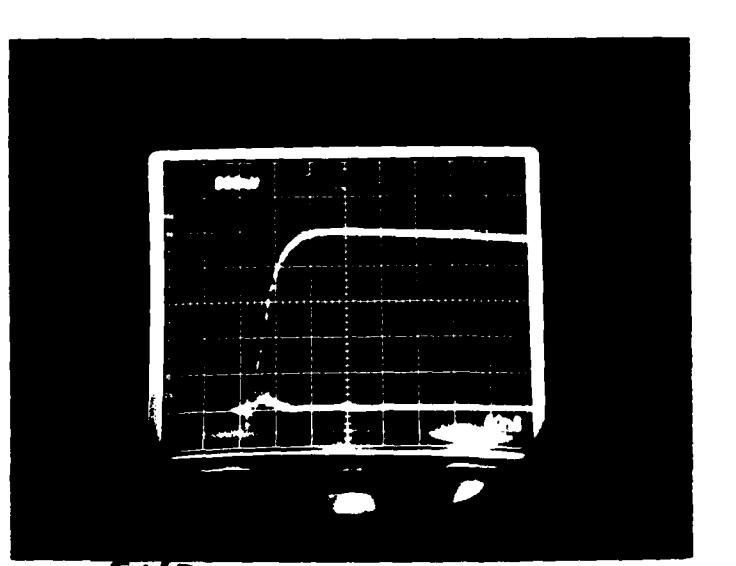
Date	6-6-85
Test Point	17 -CH- 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (.86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	842



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	17-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

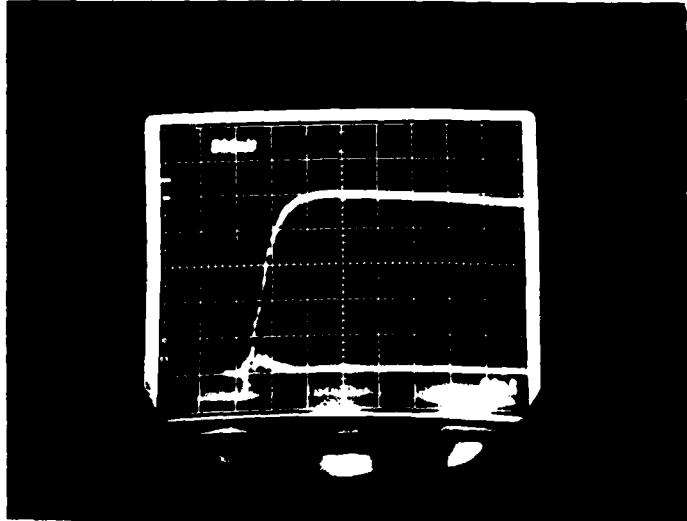
843



843

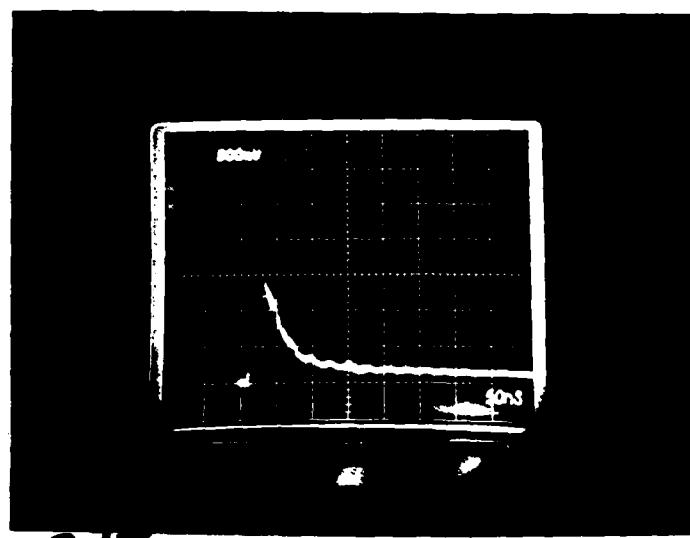
Date	6-6-85
Test Point	17R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

844



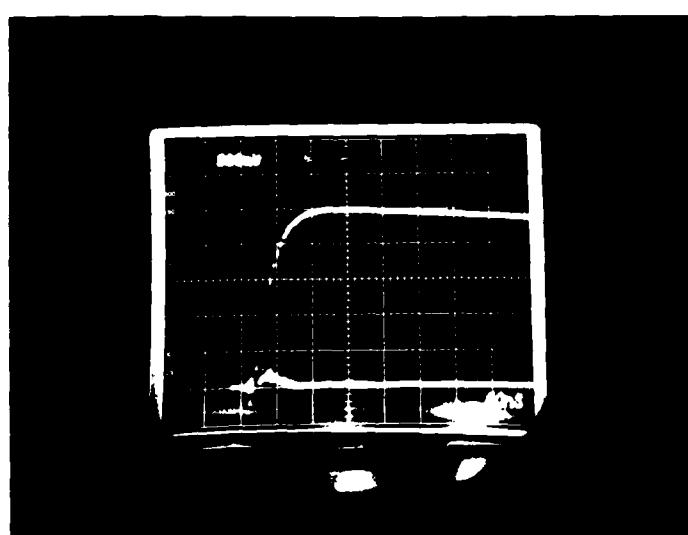
844

Date	6-6-85
Test Point	17-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	845

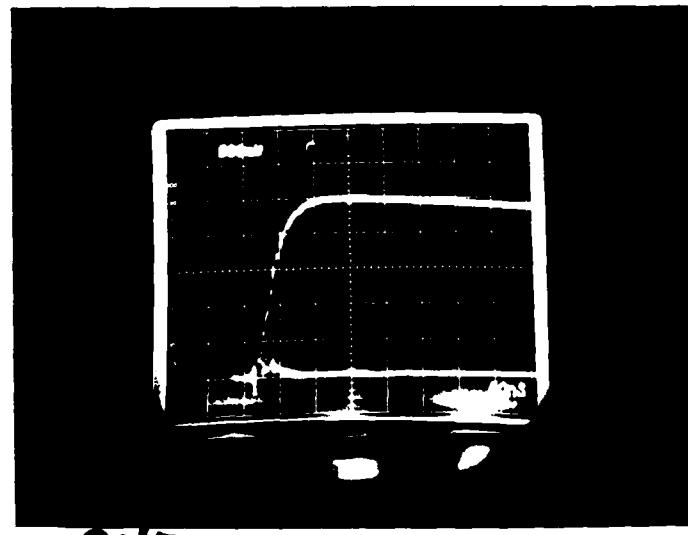


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

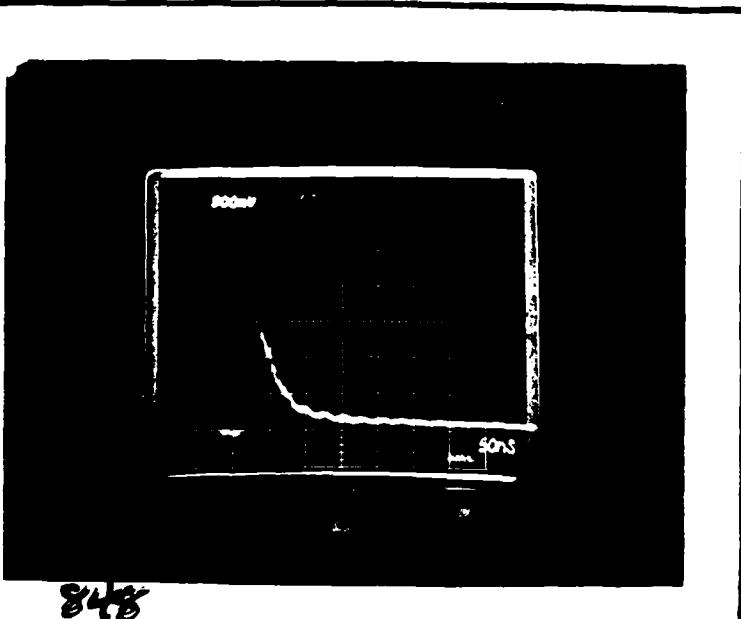
Date	6-6-85
Test Point	17-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	846



Date	6-6-85
Test Point	17R-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	847

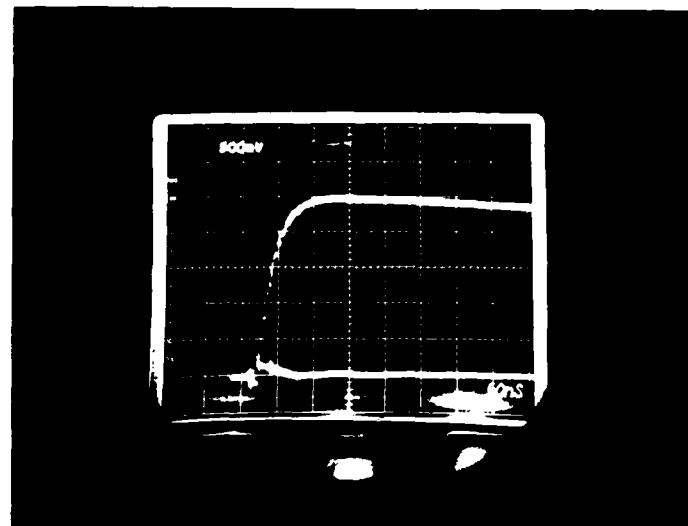


Date	6-6 - 85
Test Point	17 - C14 - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	248

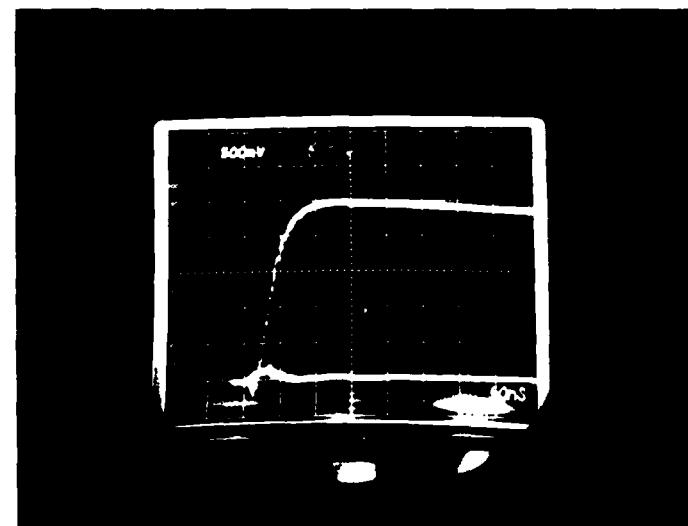


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

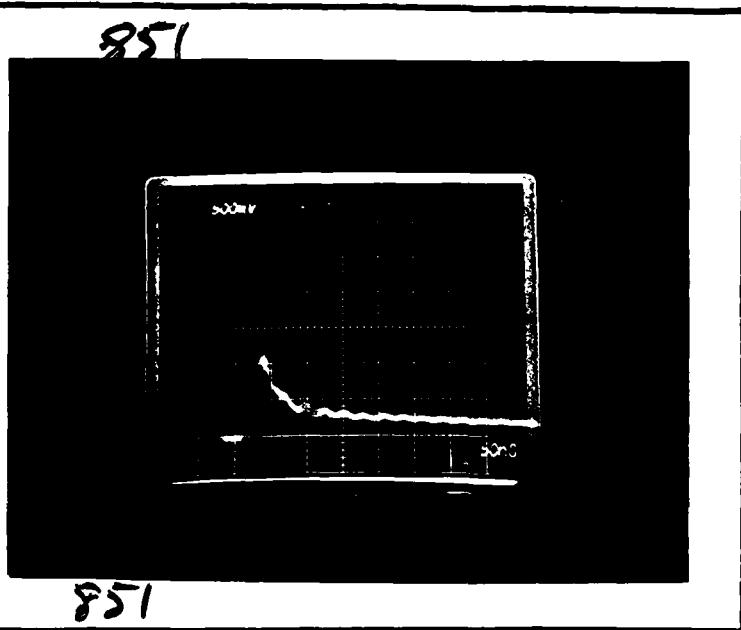
Date	6-6-85
Test Point	19-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(.860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	34?



Date	6-6-85
Test Point	19R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V(.860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	350

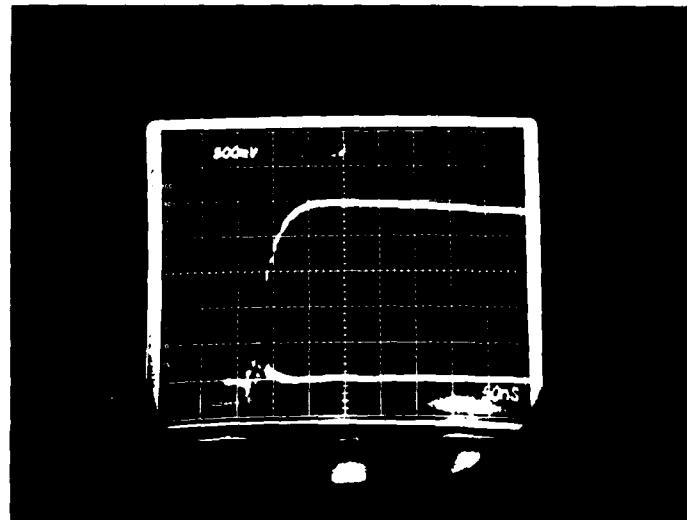


Date	6-6-85
Test Point	19-CH-110-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	251

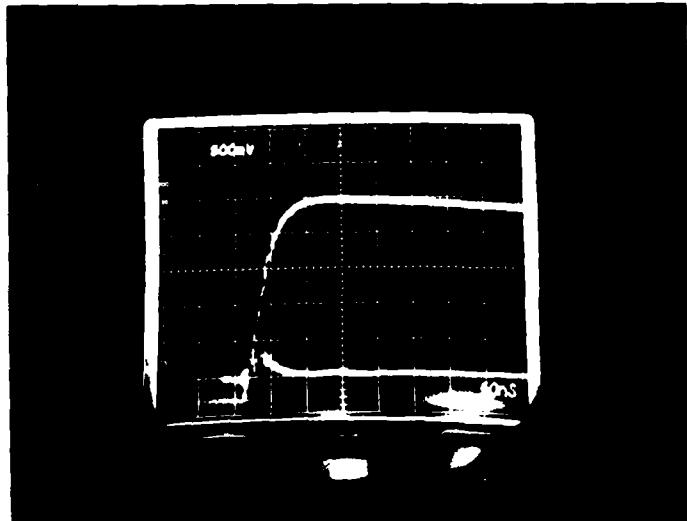


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

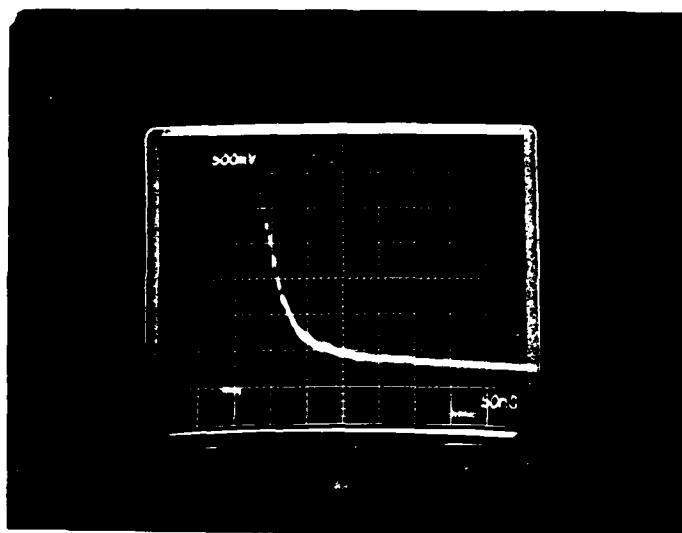
Date	6-6-85
Test Point	19-CH-410-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	19R-CH-410-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

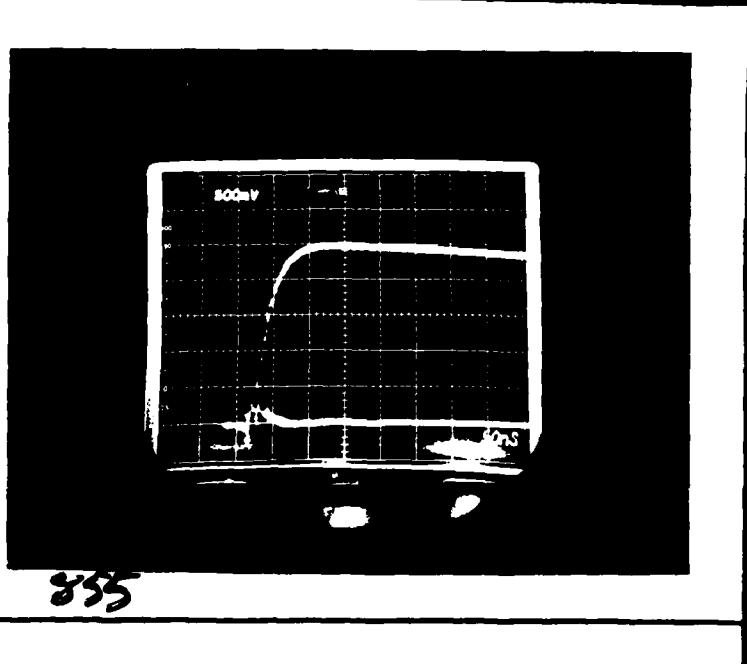


Date	6-6-85
Test Point	A-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	<i>251</i>

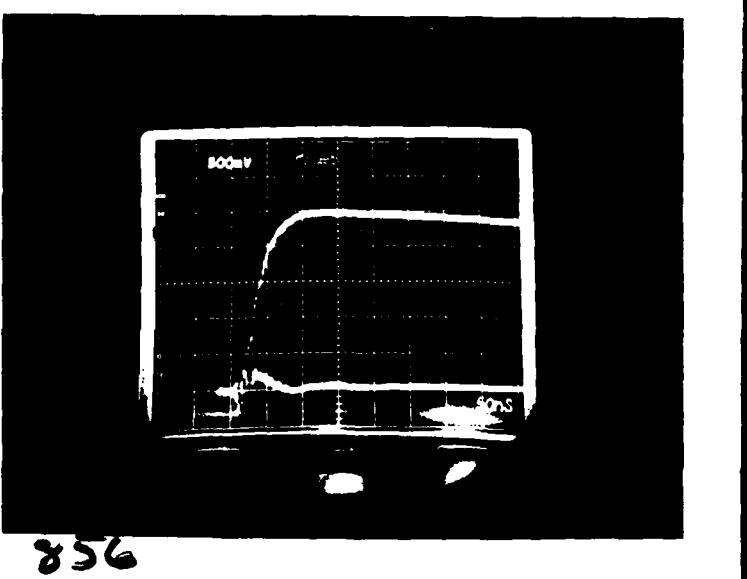


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

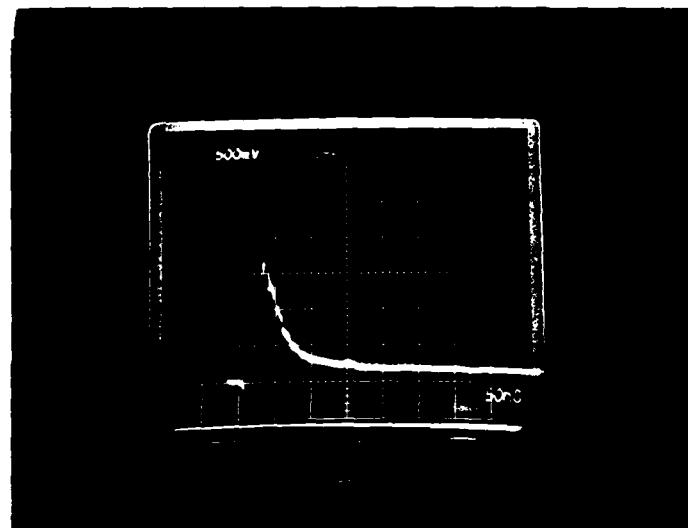
Date	6-6-85
Test Point	19-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	255



Date	6-6-85
Test Point	19R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	256



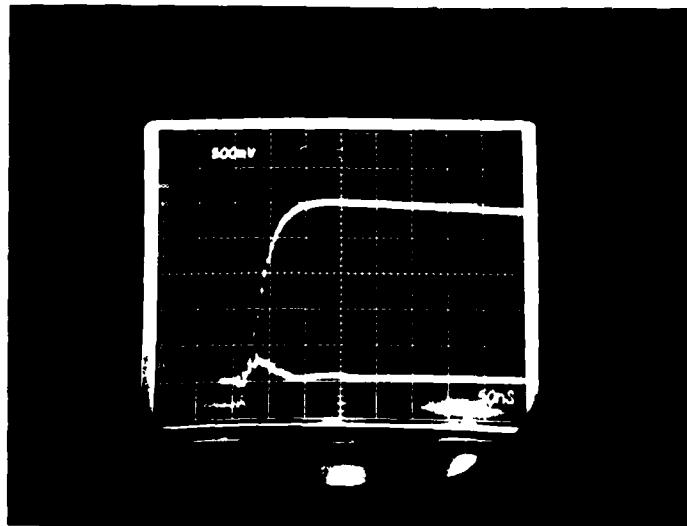
Date	6-6-85
Test Point	19-C4-Y10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	105V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	R57



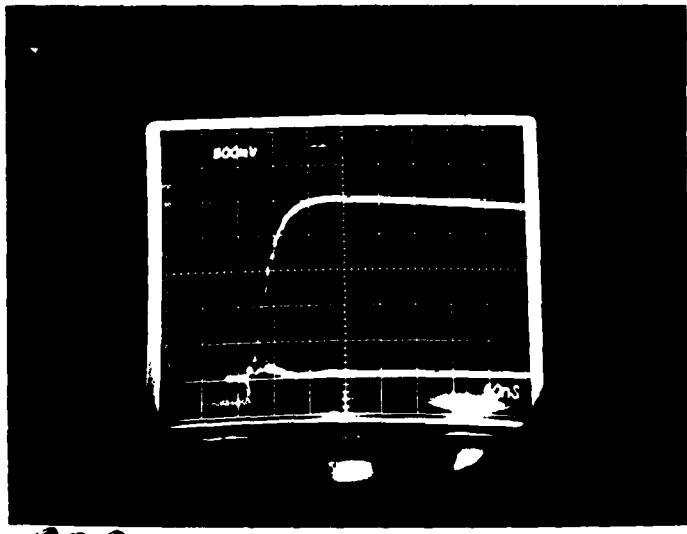
857

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

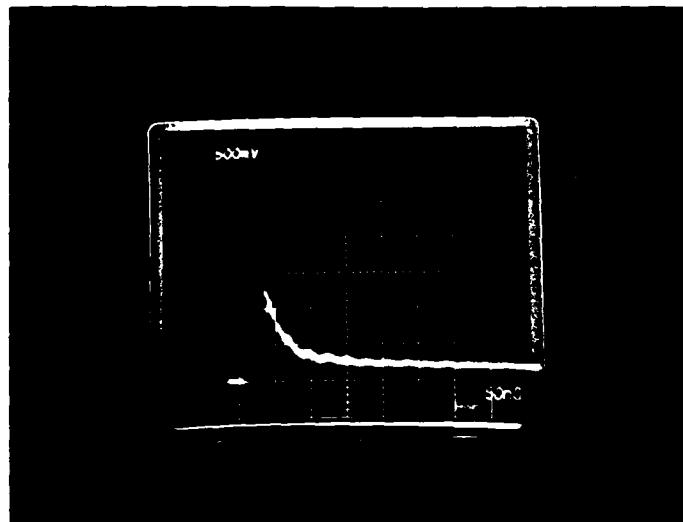
Date	6-6-85
Test Point	19-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	D5



Date	6-6-85
Test Point	19R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	D7



Date	6-6-85
Test Point	19-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) -mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	<i>B22</i>



860

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 19-CH-1/10-E

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V (860V) mV/div 1

Horizontal ns/div 2

Vertical (860V) ns/div 2

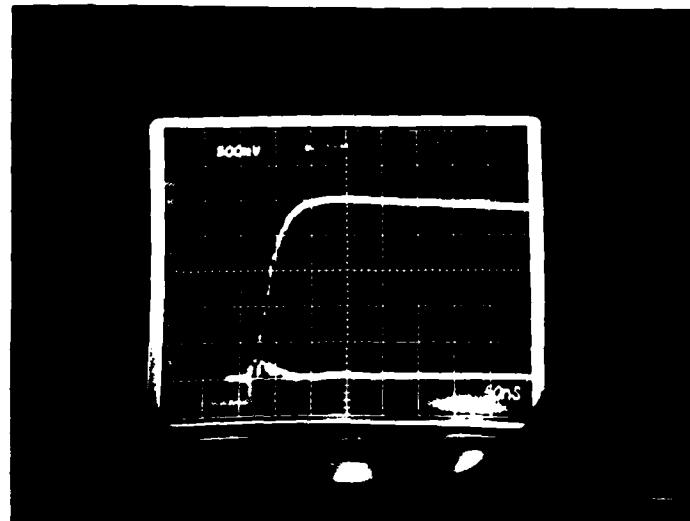
Configuration

Pulser Level +4500V

Data Link

Comments:

261



861

Date 6-6-85

Test Point 19R-CH-1/10-E

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V (860V) mV/div 1

Horizontal ns/div 2

Vertical (860V) ns/div 2

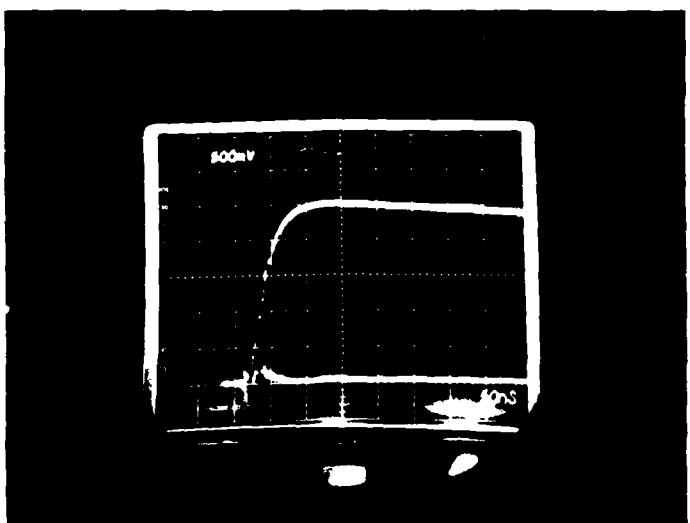
Configuration

Pulser Level -4500V

Data Link

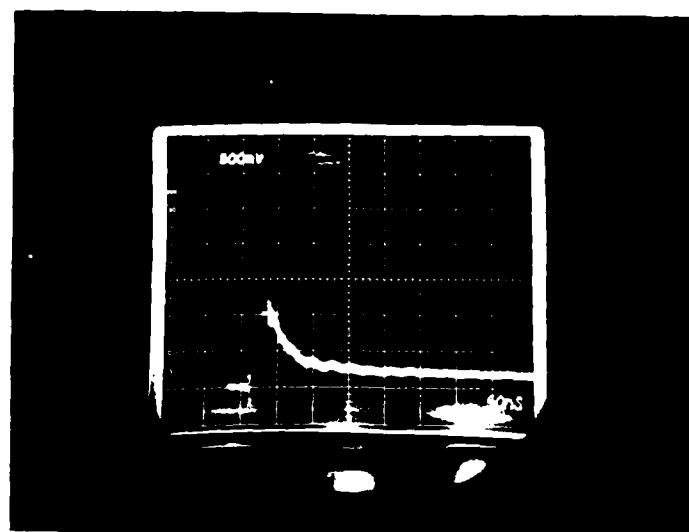
Comments:

262



862

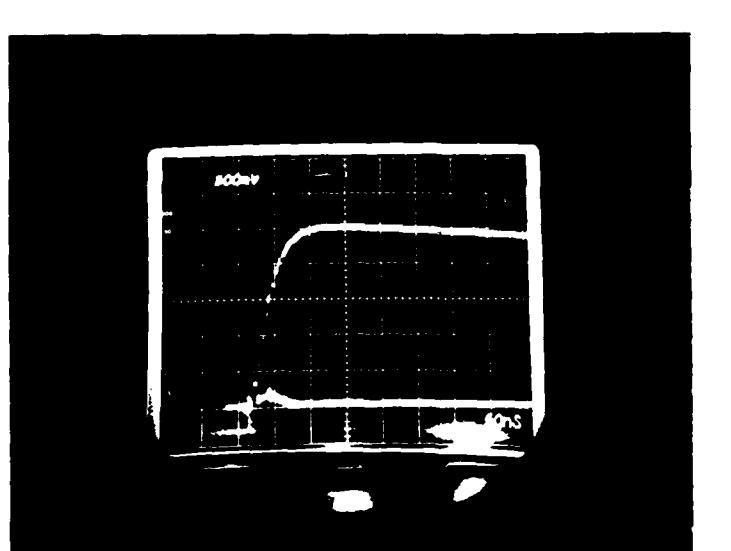
Date	6-6-85
Test Point	19-CH-1'ro-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	863



863

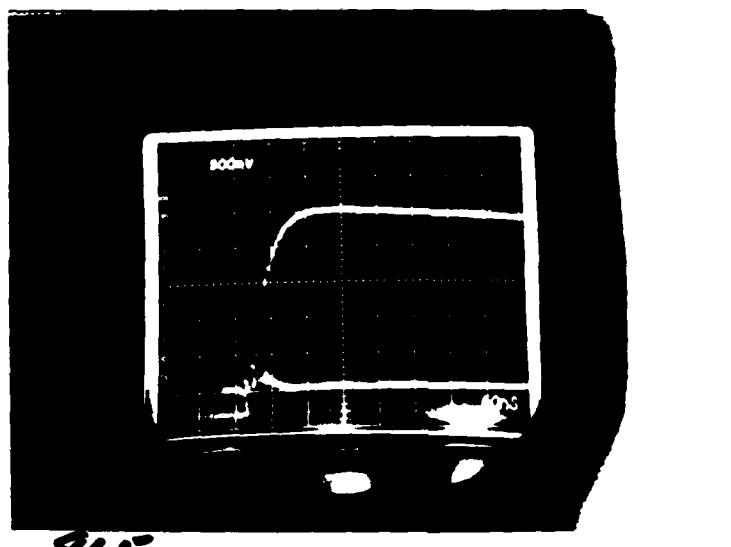
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	Z1 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	5-10%



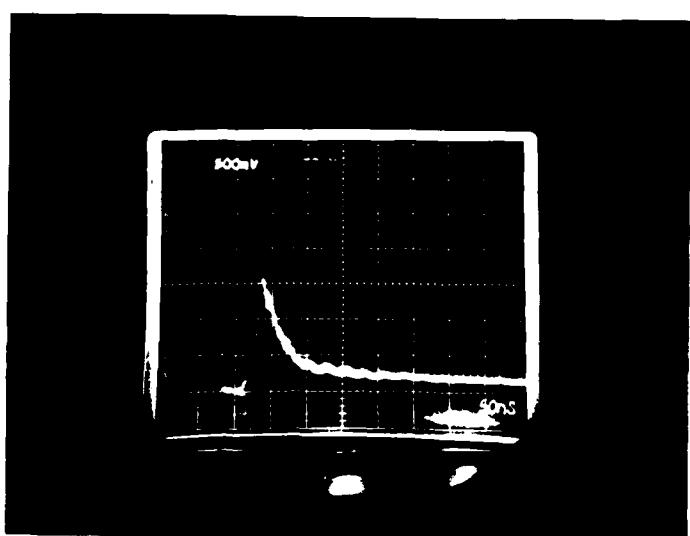
864

Date	6-6-85
Test Point	Z1R - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	5-10%



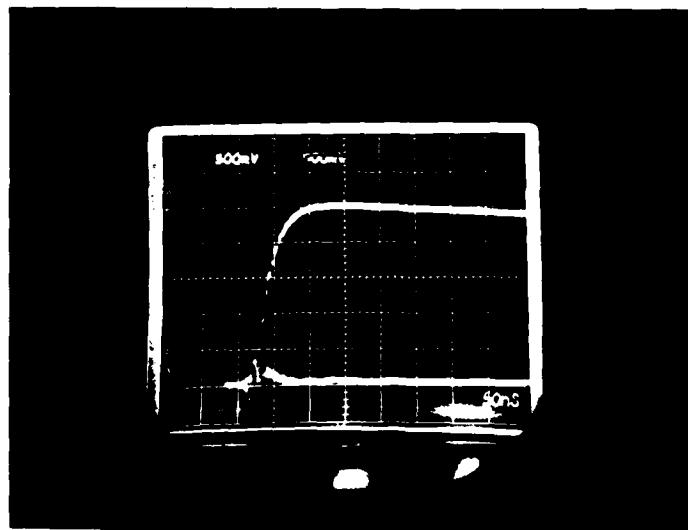
865

Date	6-6-85
Test Point	21-CH-410-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	365

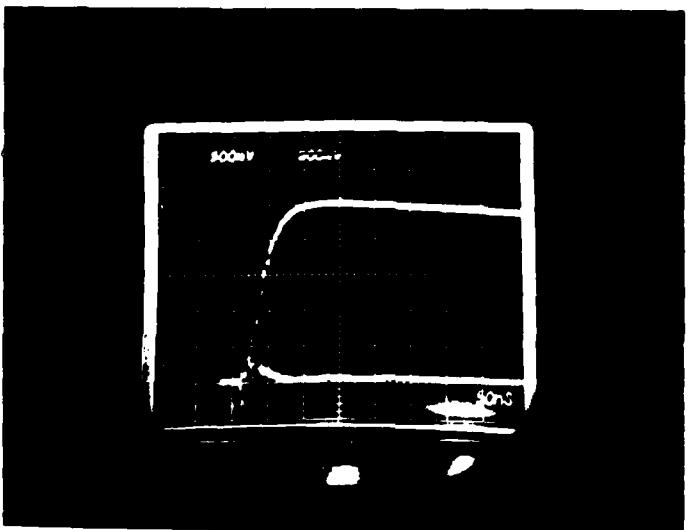


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

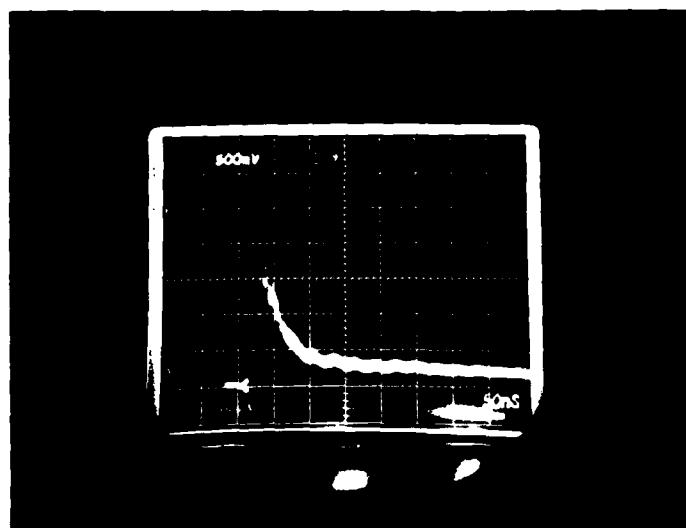
Date	6-6-85
Test Point	21 - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	<i>BL7</i>



Date	6-6-85
Test Point	21R - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	<i>5:3</i>

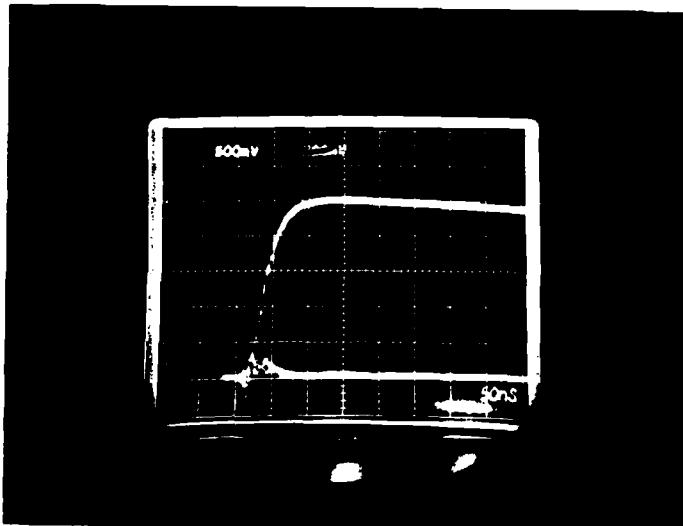


Date	6 - 6 - 85
Test Point	Z1- CH - 1/10 - 13
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



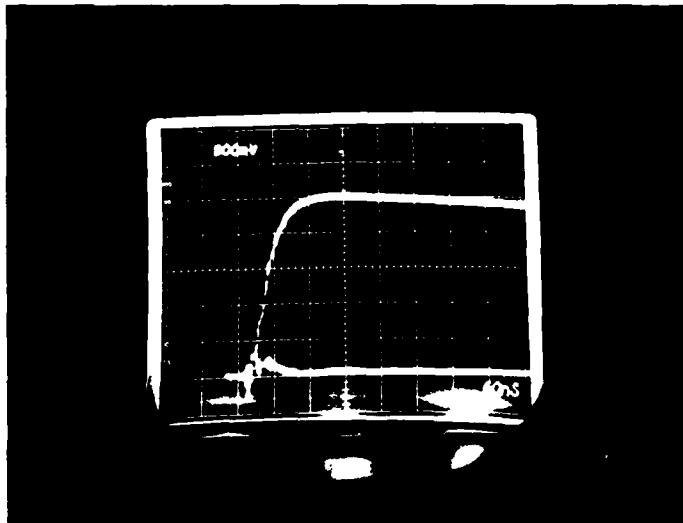
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	21-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	270



870

Date	6-6-85
Test Point	21R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	271

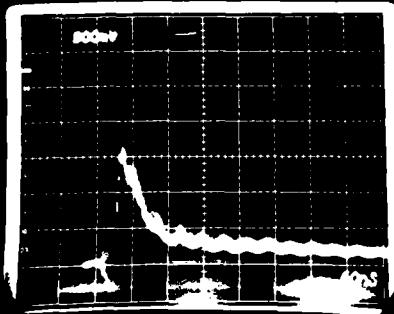


871

Date	6-6-85
Test Point	21-CH-110-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (88V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

372



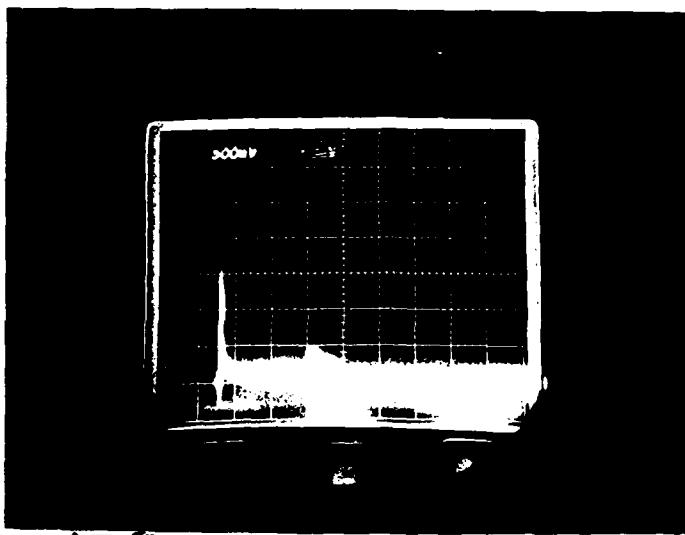
872

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	21-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	1μs 50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

375



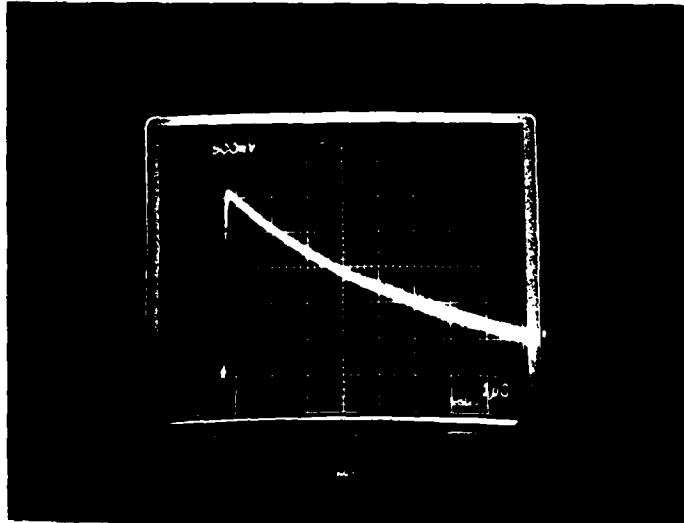
375

1μs/DIV, .05V(100V) DIV

Date	6 6 85
Test Point	REF PULSE
Amplification	0 dB
Attenuation	20 dB
Horizontal	1μsec 50 ns/div 1
Vertical	.5V 860V mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	4.5KV
Data Link	

Comments:

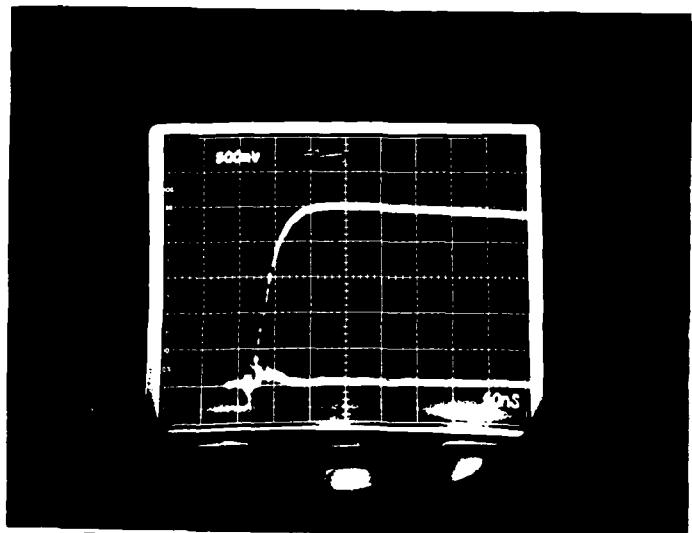
876



876

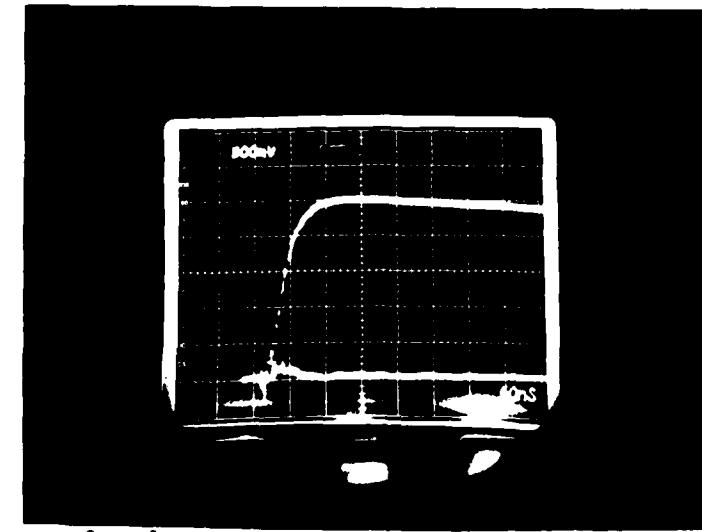
LONG TIME BASE Ref.

Date	6-6-85
Test Point	21-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	573



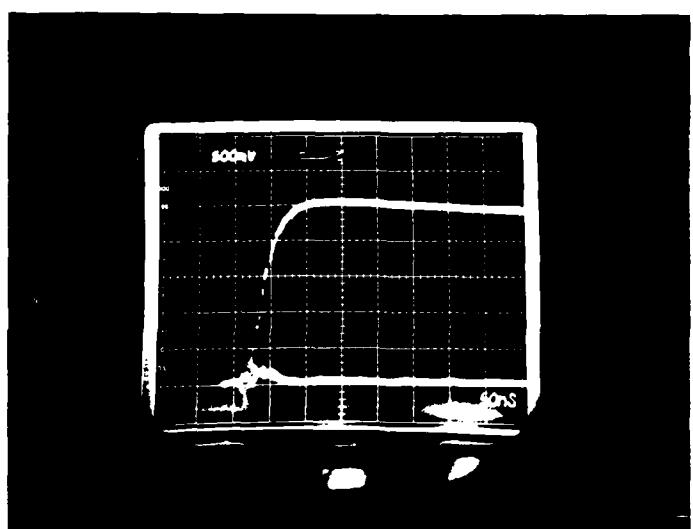
873

Date	6-6-85
Test Point	21B-CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	574



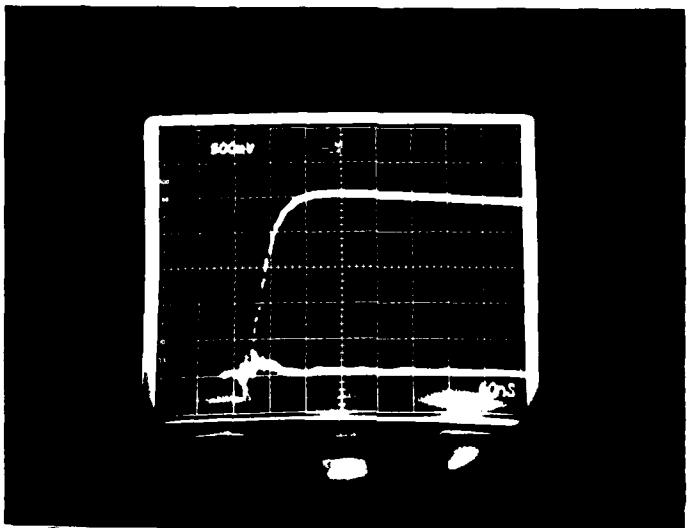
874

Date	6-6-85
Test Point	21-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	877



877

Date	6-6-85
Test Point	21R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	878

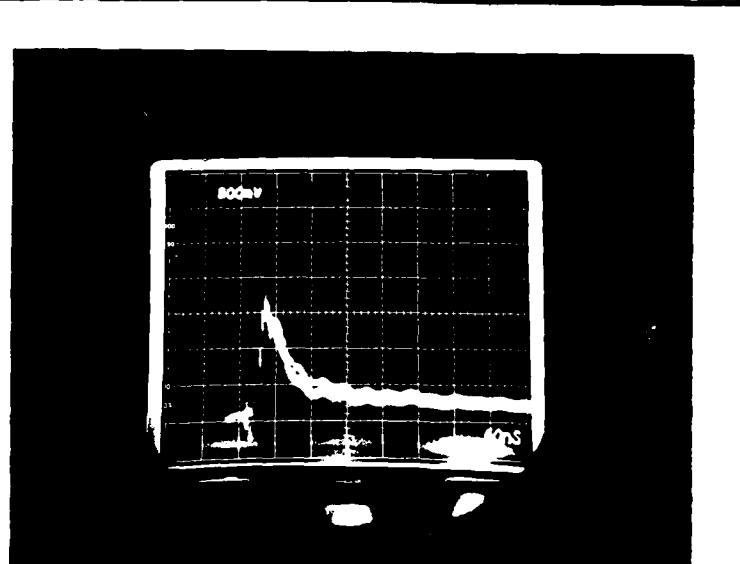


878

Date	6-6-85
Test Point	21-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

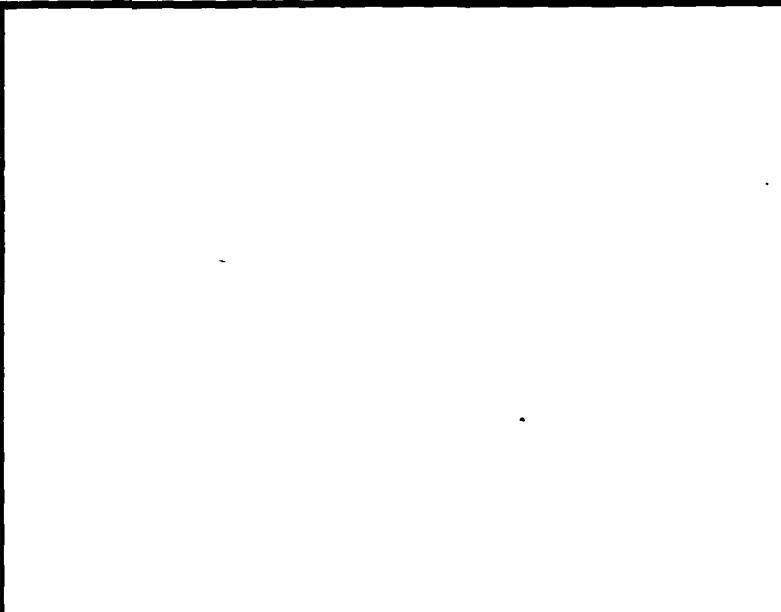
Comments:

879

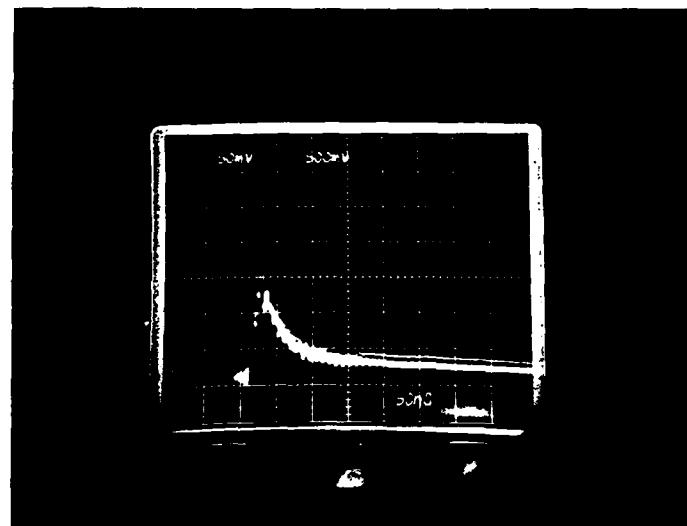


879

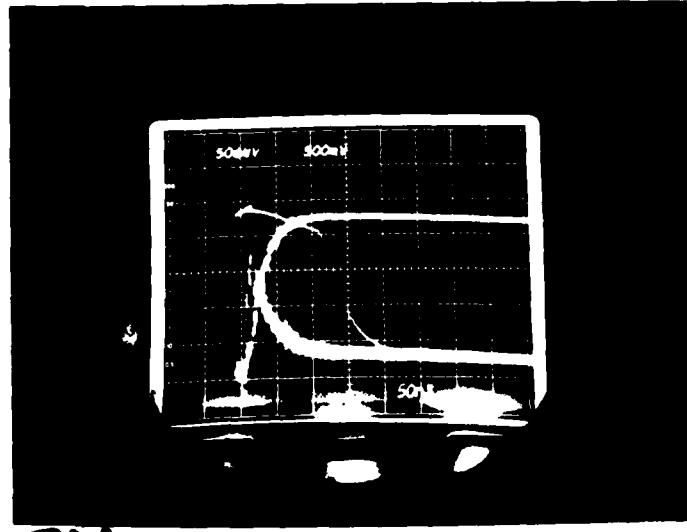
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	



Date	6-5-85
Test Point	22 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	



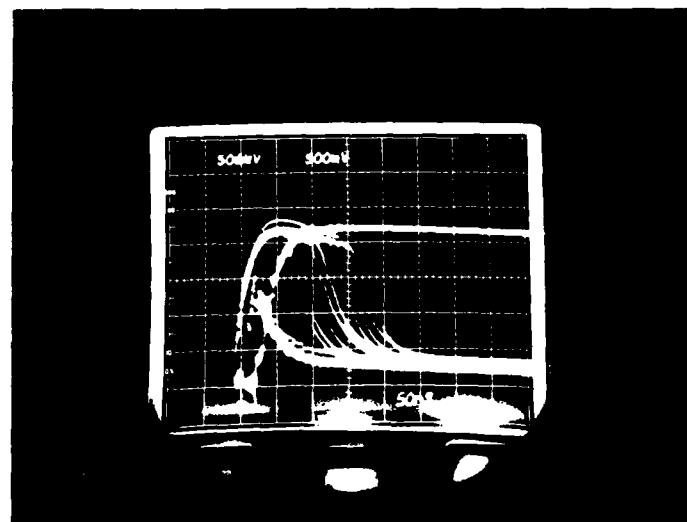
Date	6-5-85
Test Point	22R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (86V) mV/div 1
Horizontal	50 ns/div 2
Vertical	.5 (860V) mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	761



REF : @ .5V (860V)_(+4500V) / DIV

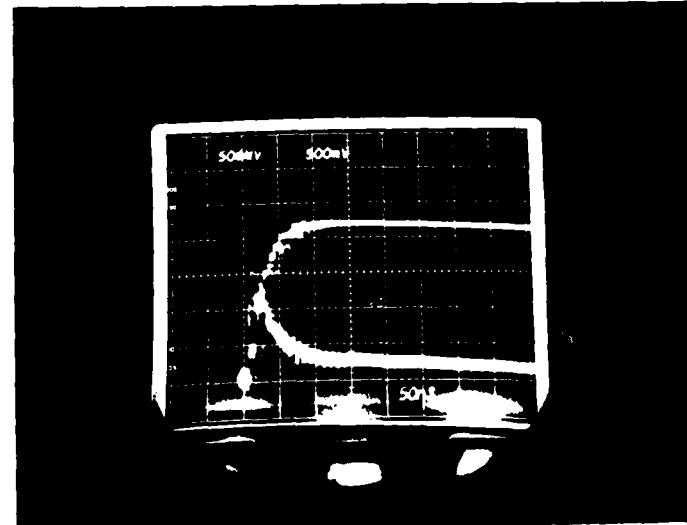
Date 6-5-85
 Test Point 22 - CH - 1/10 - B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(100V) mV/div 1
 Horizontal ns/div 2
 22- Vertical .05V(100V) mV/div 2
 Configuration
 Pulser Level +4500V
 Data Link
 Comments:

-52



762

Date 6-5-85
 Test Point 22R - CH - 1/10 - B
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000) mV/div 1
 Horizontal ns/div 2
 22- Vertical .05V(100V) mV/div 2
 Configuration
 Pulser Level -4500V
 Data Link
 Comments:

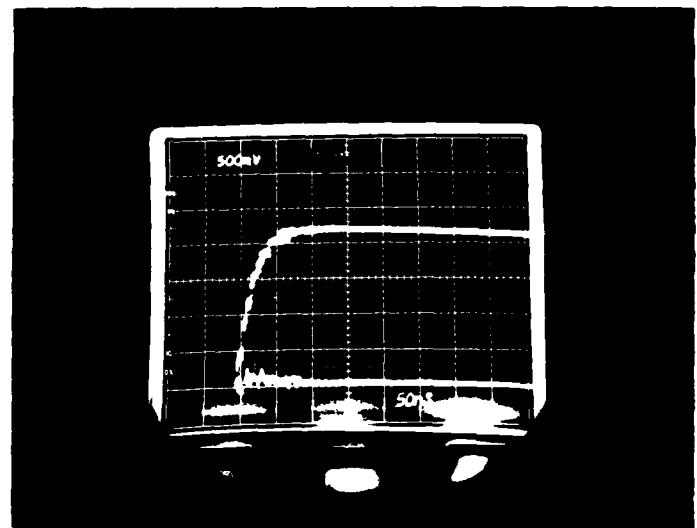


763

Date	6-5-85
Test Point	22-CH-1/10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

Comments: 764

ALL @ .5V

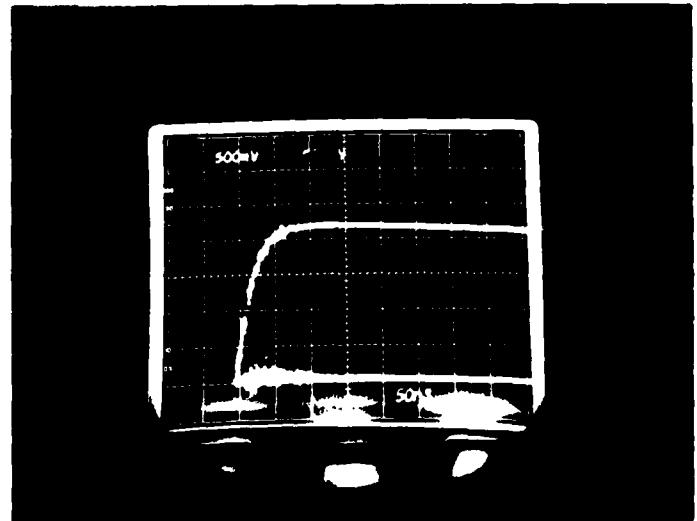


764

Date	6-5-85
Test Point	22R - CH - Y10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	

Comments: 765

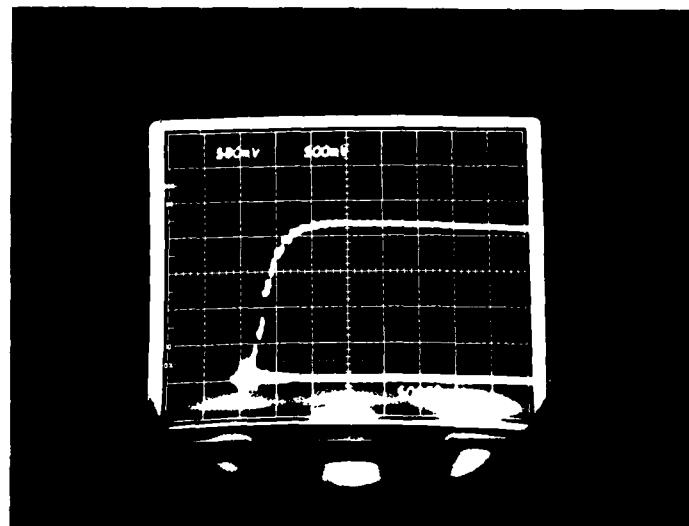
ALL @ .5V



765

Date	6-5-85
Test Point	22E-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (1000) ^{mV} /div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

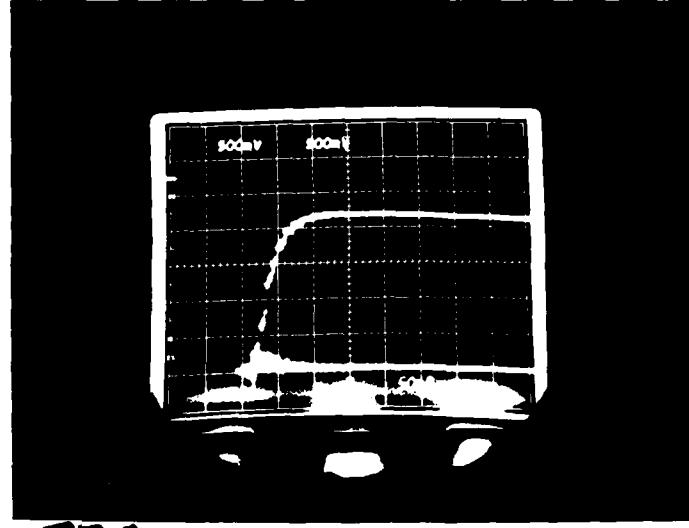
Comments: 769



769

Date	6-5-85
Test Point	22R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V (1000) ^{mV} /div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	

Comments: 770



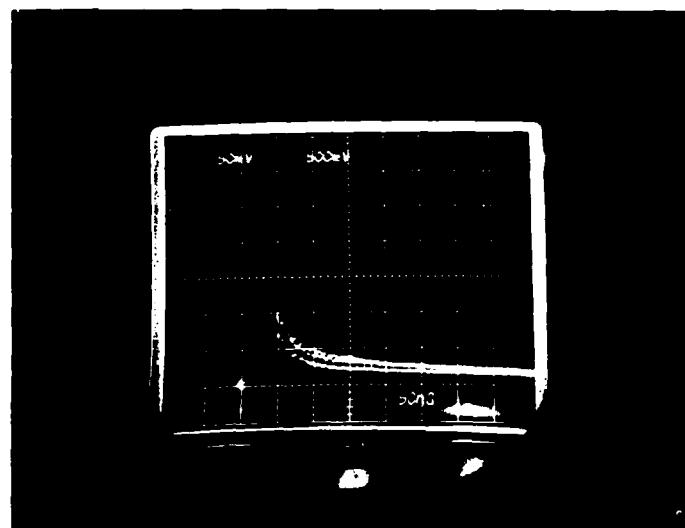
770

Date	6-5-85
Test Point	22 - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	.05V(100V)/ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

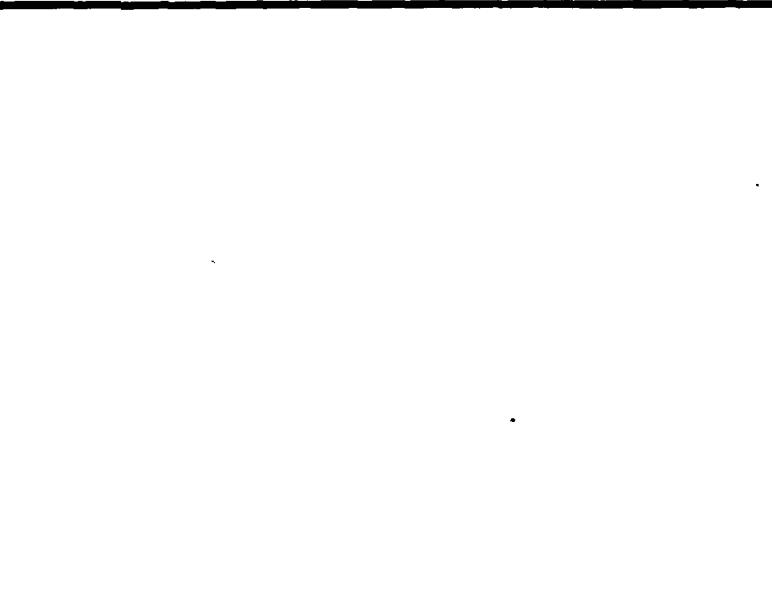
771

.05V(100V)/DIV

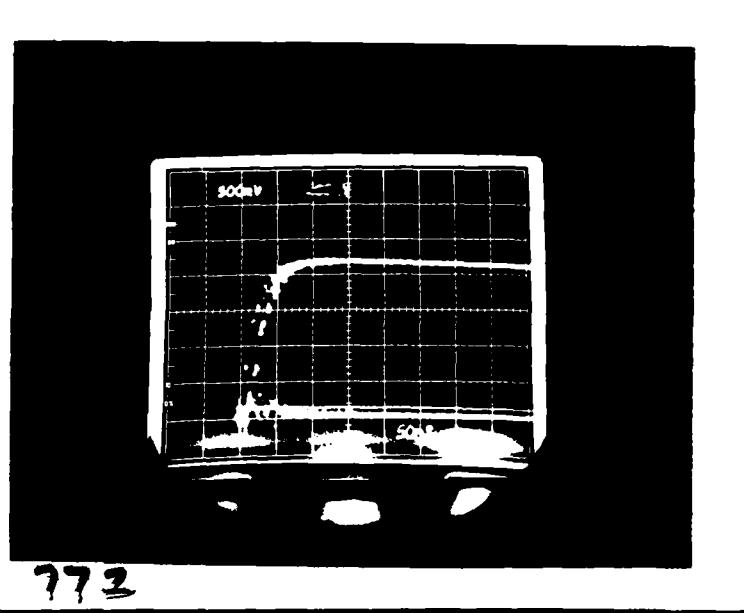


Date	6-5-85
Test Point	22R - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

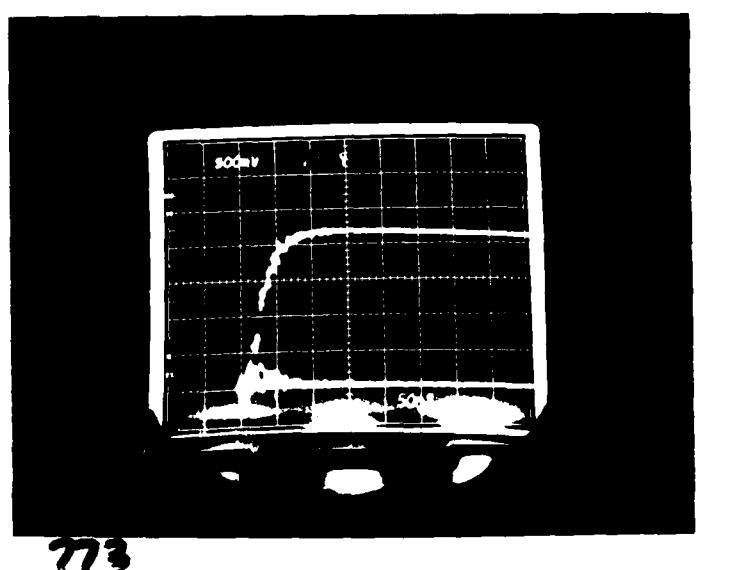
Comments:



Date	6-5-85
Test Point	22 - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	772

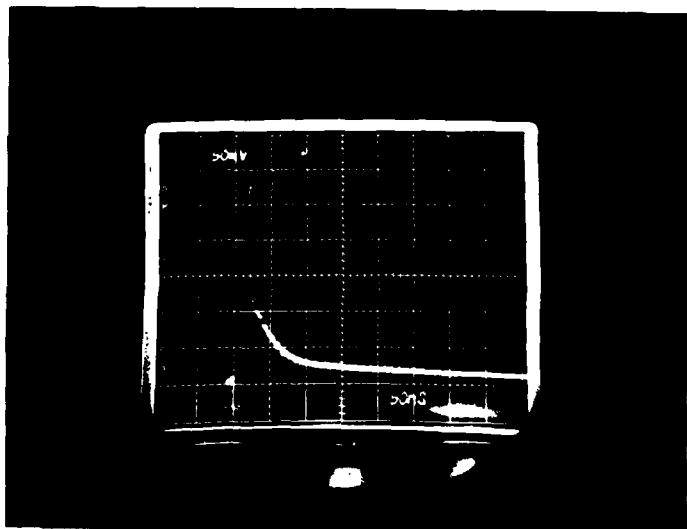


Date	6-5-85
Test Point	22R - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	773



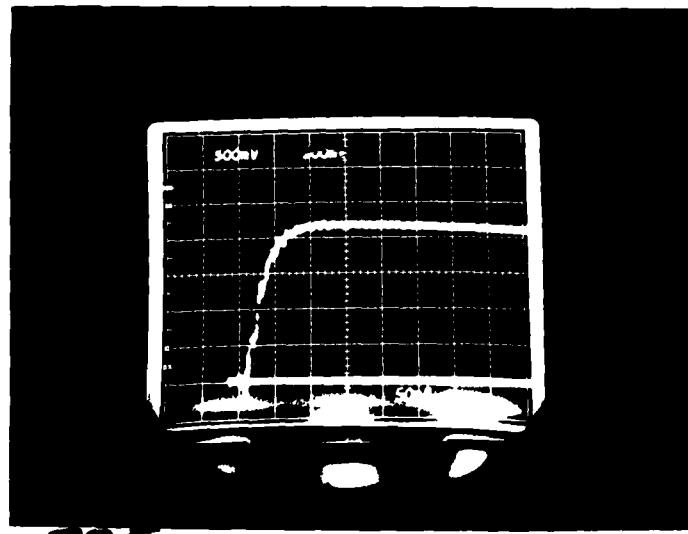
Date	6-5-85
Test Point	2212-CH-410-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments: 774

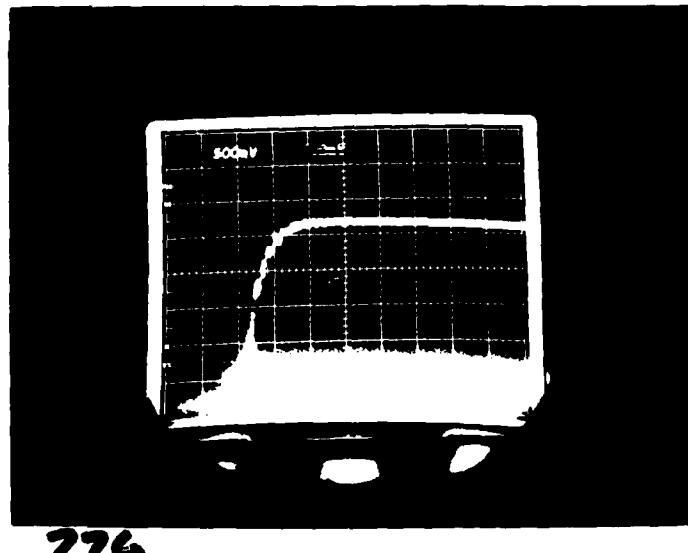


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

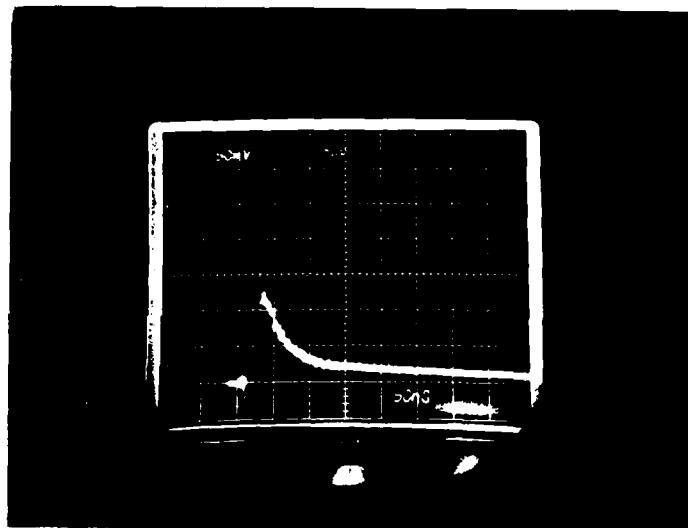
Date	6-5-85
Test Point	23 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



Date	5-6-85
Test Point	23R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

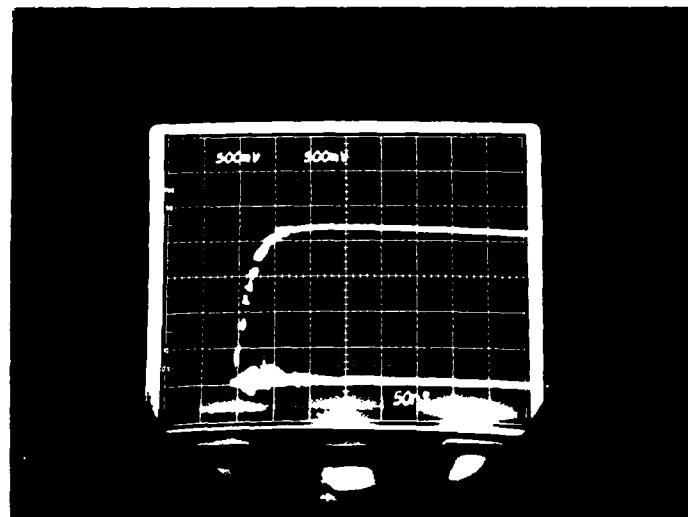


Date	6-5-85
Test Point	23 -CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	777

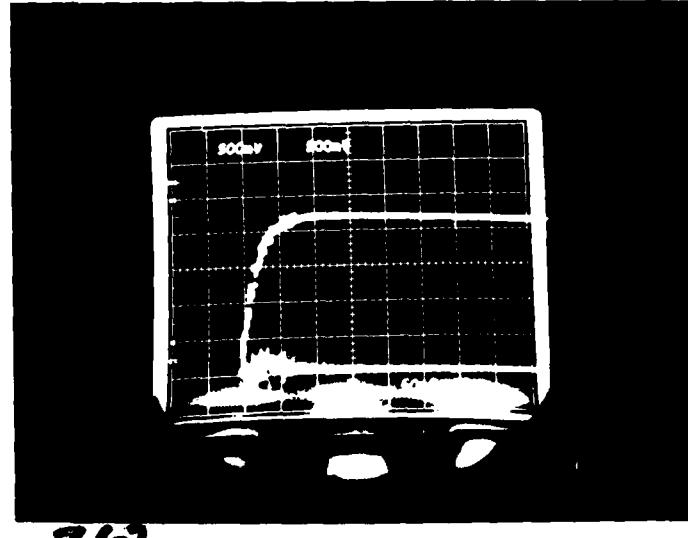


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

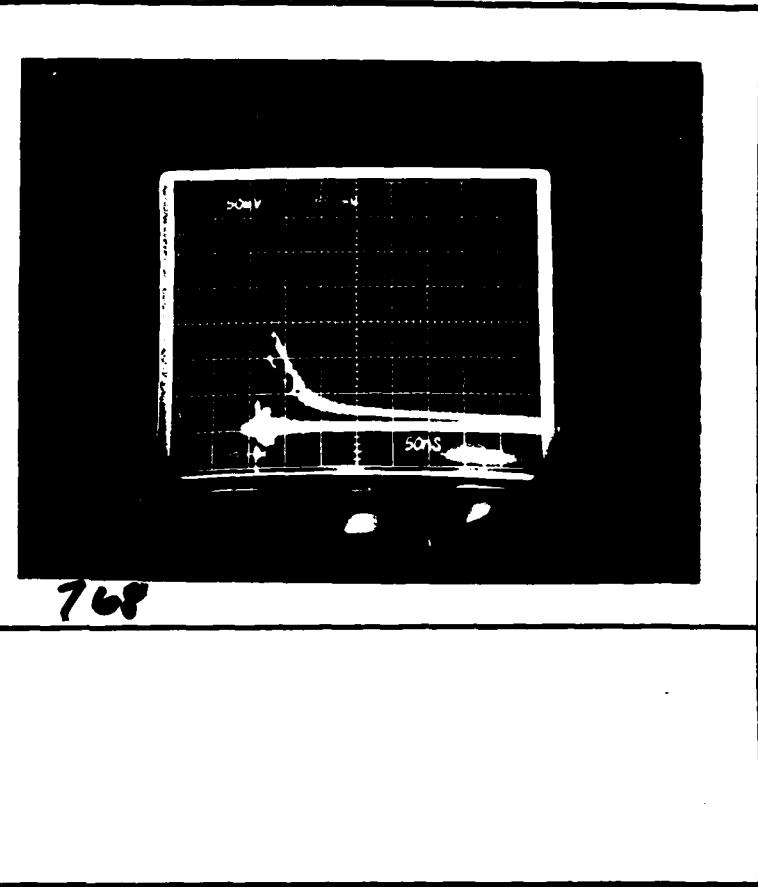
Date	6-5-85
Test Point	23 - CH - YCO - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	766



Date	6-5-85
Test Point	23R - CH - YCO - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	767

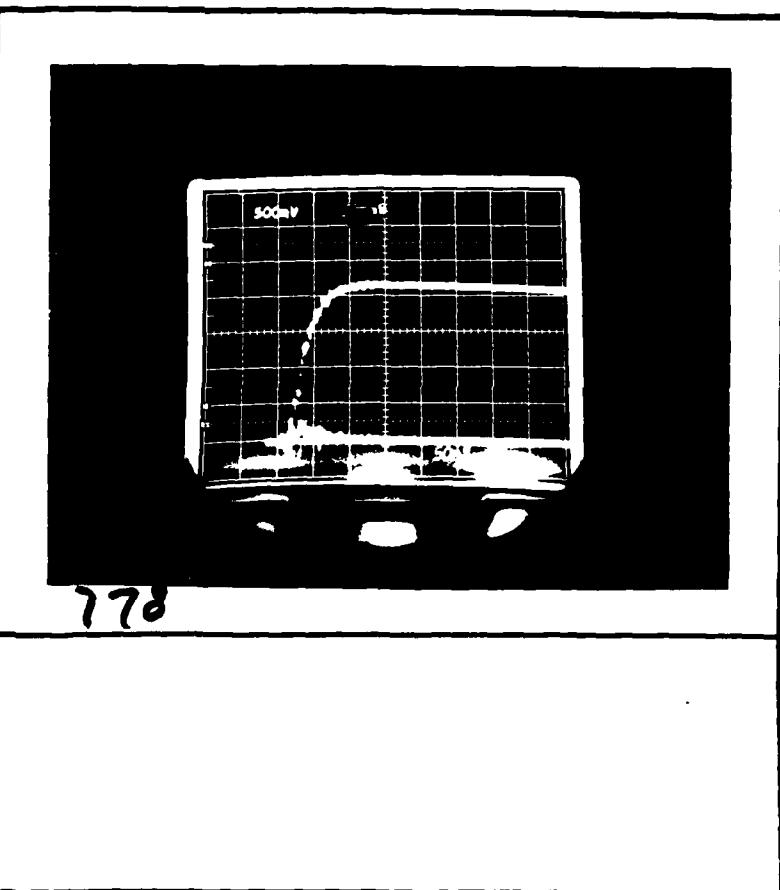


Date	6 - 5 - 85
Test Point	Z3R-C1+1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	7

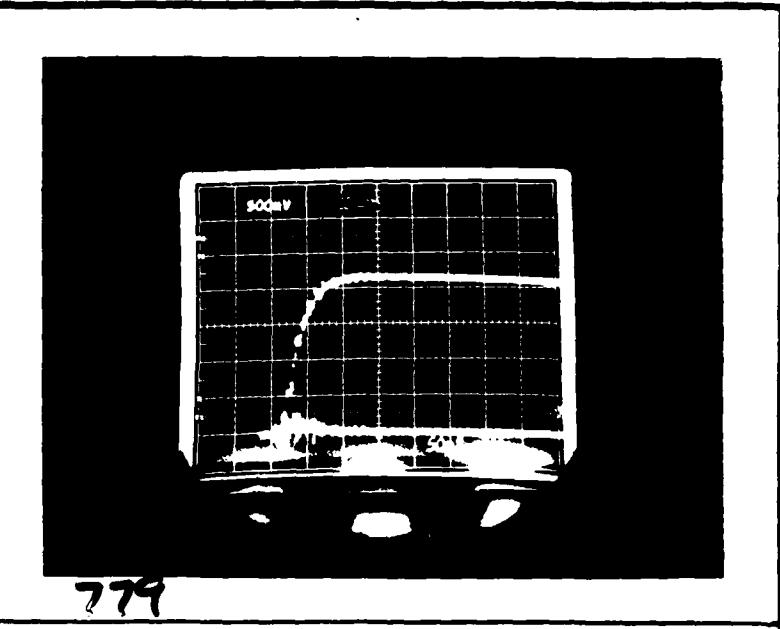


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	23 - CH - 1/10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	776



Date	6-5-85
Test Point	23R - CH - 1/10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	777



AD-A164 433

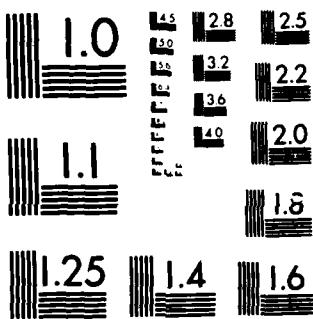
ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF
PROTECTION DEVICES FOR (U) ELECTROSPACE SYSTEMS INC
ARLINGTON VA D BODSON ET AL. 31 OCT 85
NCS-TIB-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/G 29/1

2/3

UNCLASSIFIED

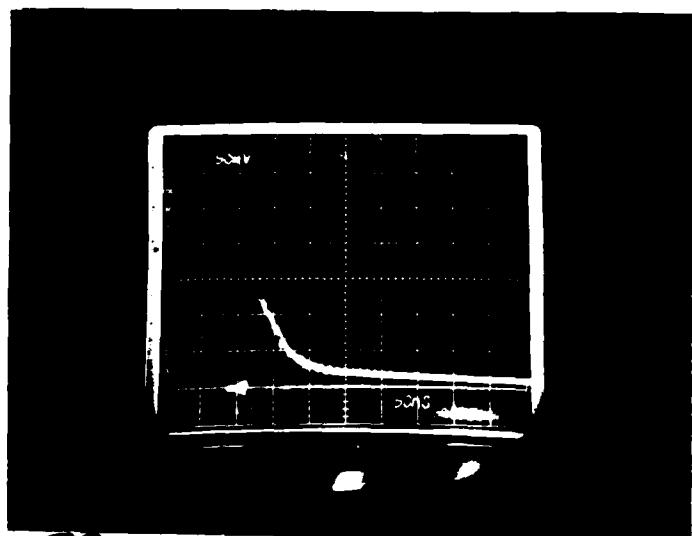
NCS-TIB-85-18-VOL-3-SEC-2 DCA100-85-C-0010 F/G 20/14

三



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

Date	6-5-85
Test Point	23 - CH - 1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	

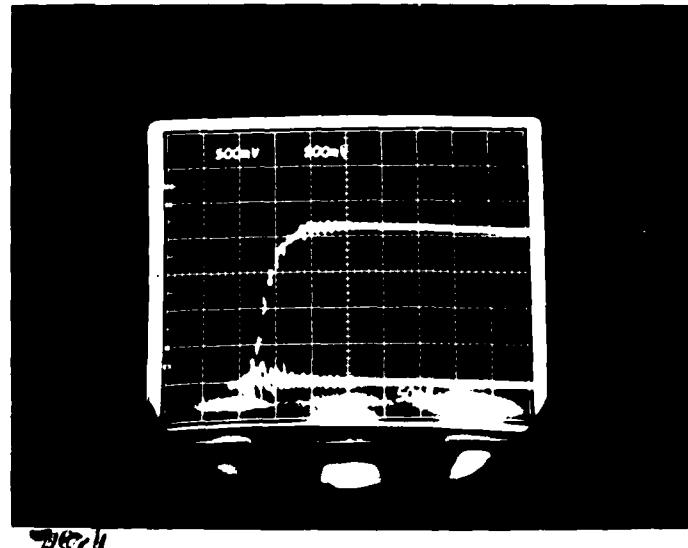


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-5-85
Test Point	23-CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

Comments:

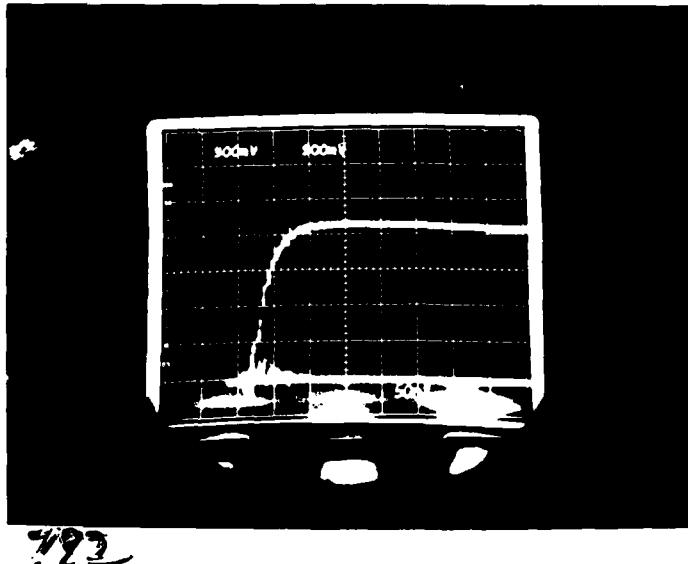
751



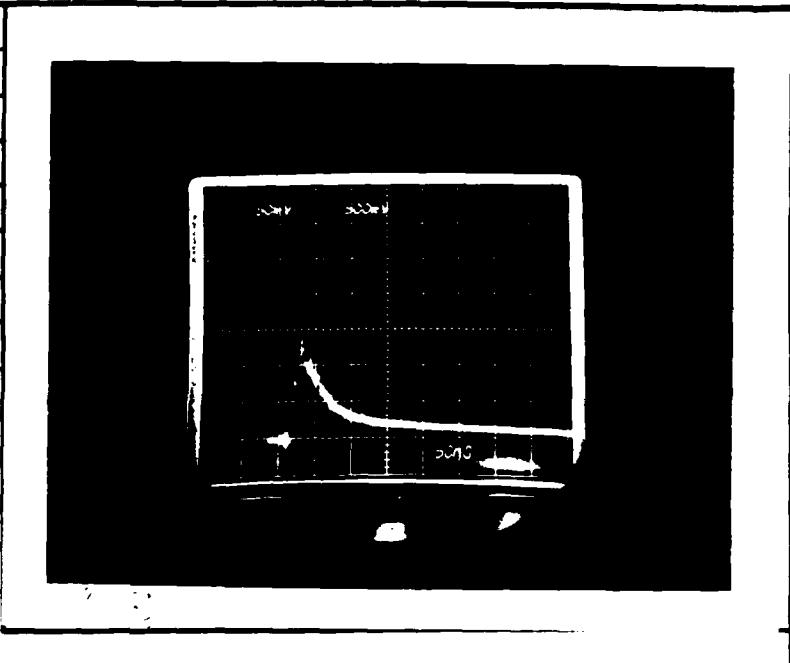
Date	6-5-85
Test Point	23R-CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	

Comments:

752

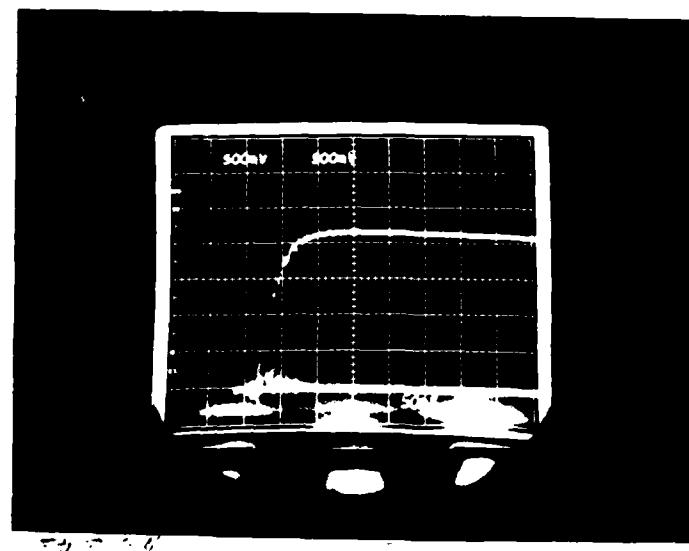


Date	6-5-85
Test Point	Z3 CH-Y10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	153

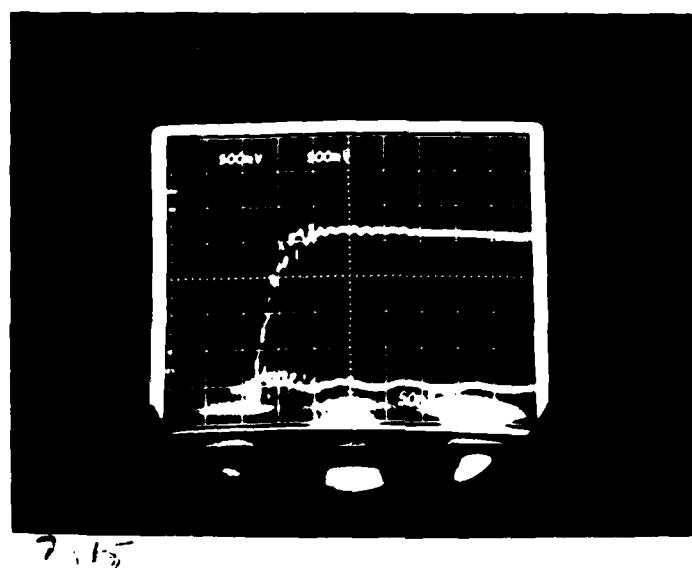


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

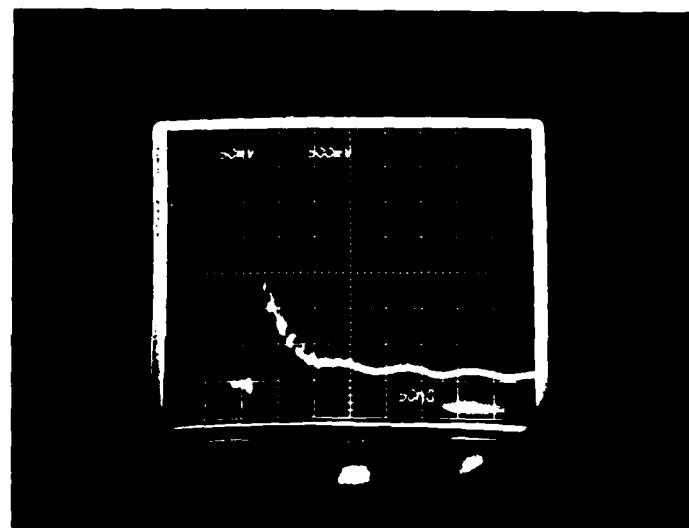
Date	6-5-85
Test Point	23-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	7-2,



Date	6-5-85
Test Point	23R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	5V(1000) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	7-1 -

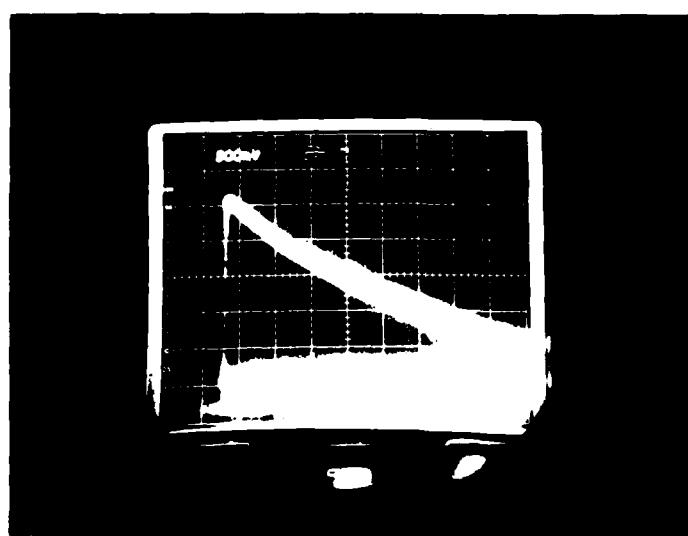


Date	6-5-85
Test Point	2.3 - CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) 5mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	25



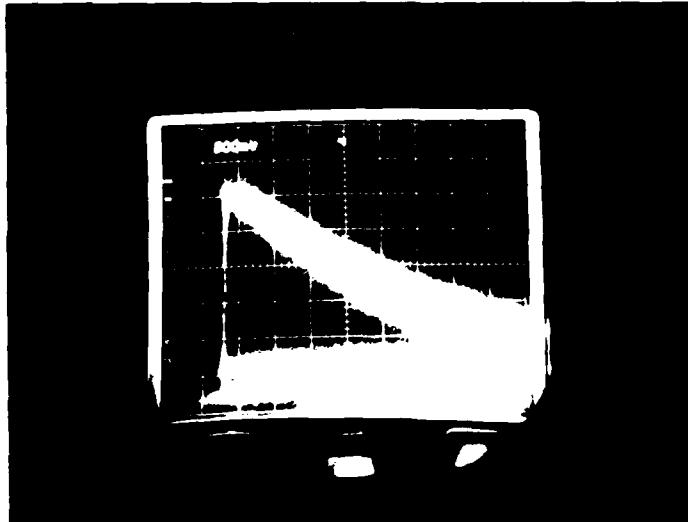
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	25-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	2-20



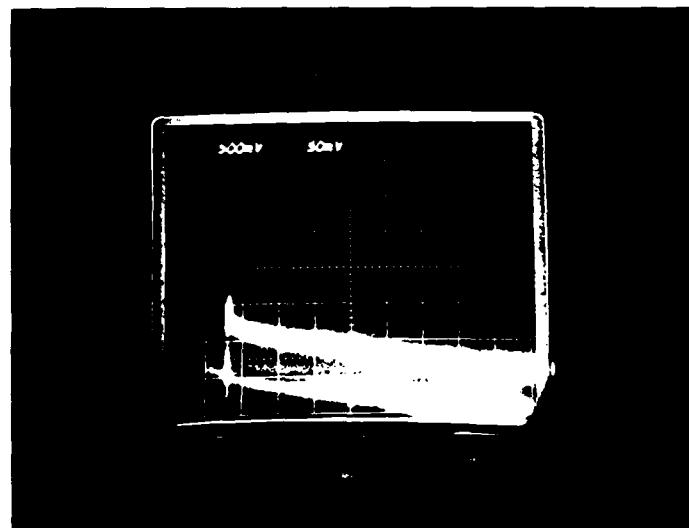
880

Date	6-6-85
Test Point	25R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	2-21



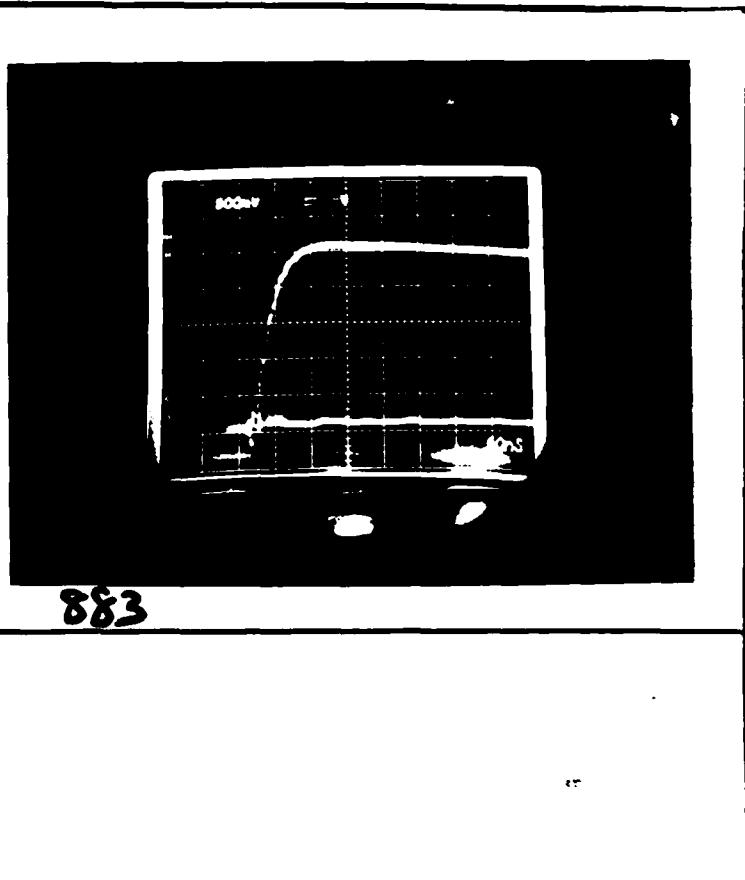
881

Date	6-6-85
Test Point	25-CH-1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) mV/div 2
Configuration	
Pulser Level	+500V
Data Link	
Comments:	882

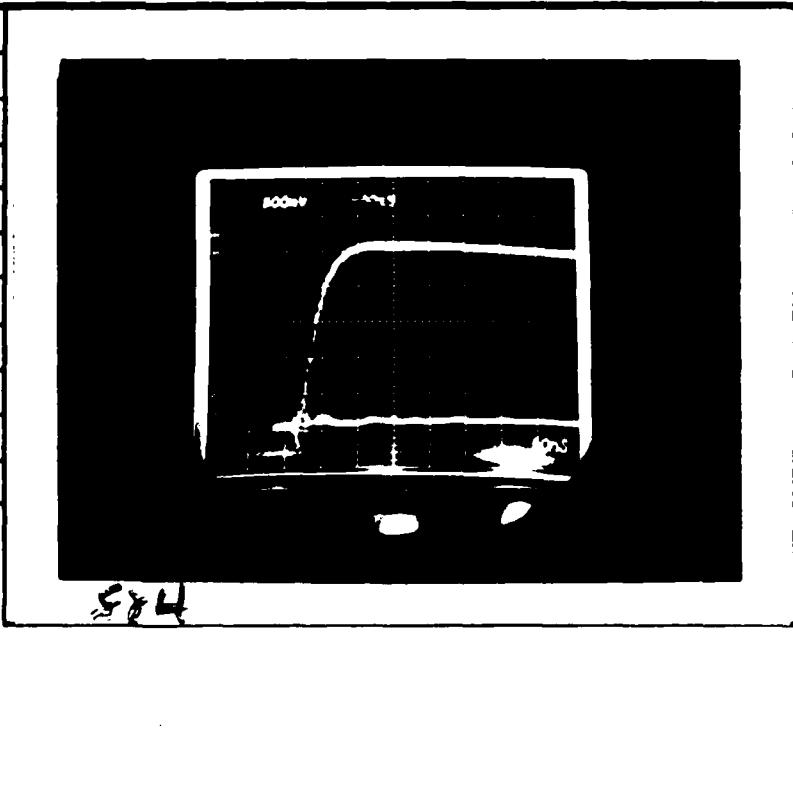


Data	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

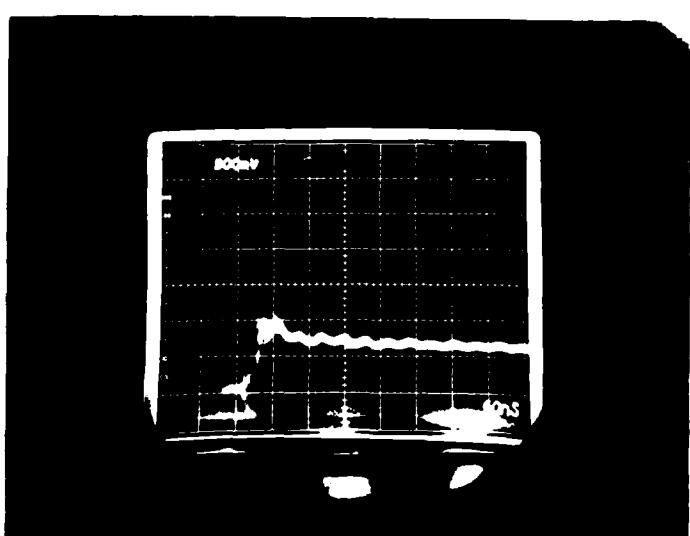
Date	6-6-85
Test Point	25-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	<i>Handwritten signature</i>



Date	6-6-85
Test Point	25R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	<i>Handwritten signature</i>

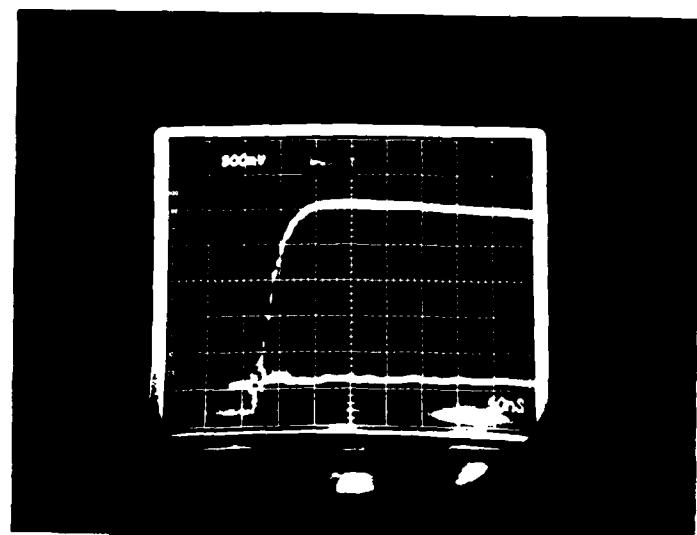


Date	6-6-85
Test Point	25 - CH - 4/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



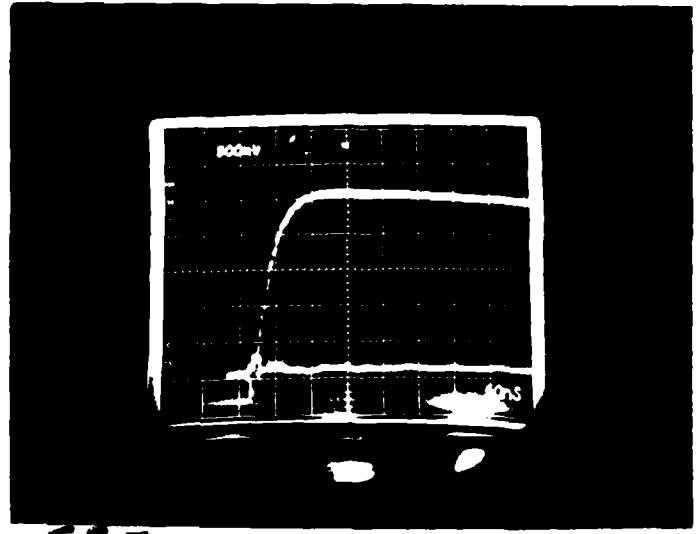
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	25- CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	RMS



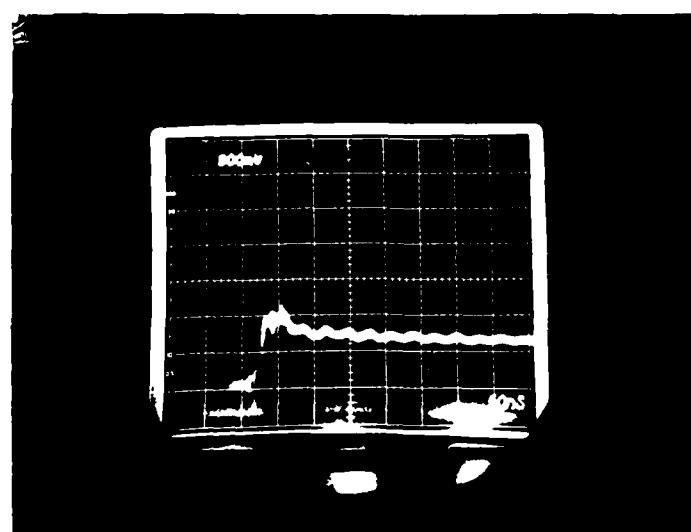
886

Date	6-6-85
Test Point	25R- CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	RMS



887

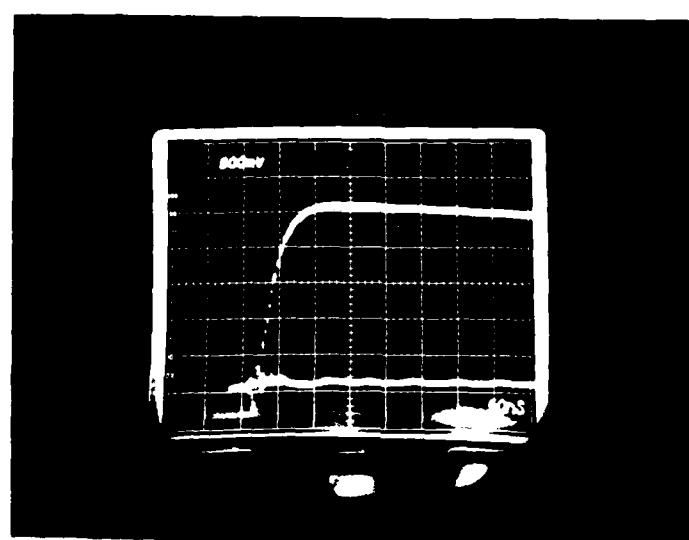
Date	6-6-85
Test Point	25-CH-Y10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	F-23



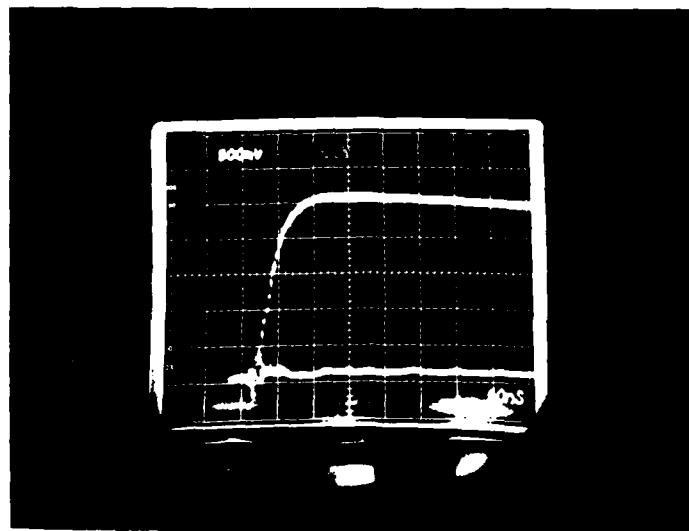
888

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	25 - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	A 2 7

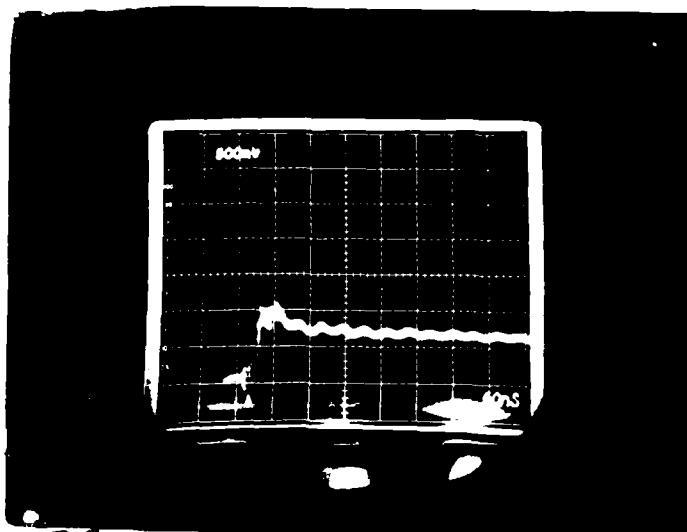


Date	6-6-85
Test Point	25R - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	A 2 9



Date	6-6-85
Test Point	25-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	

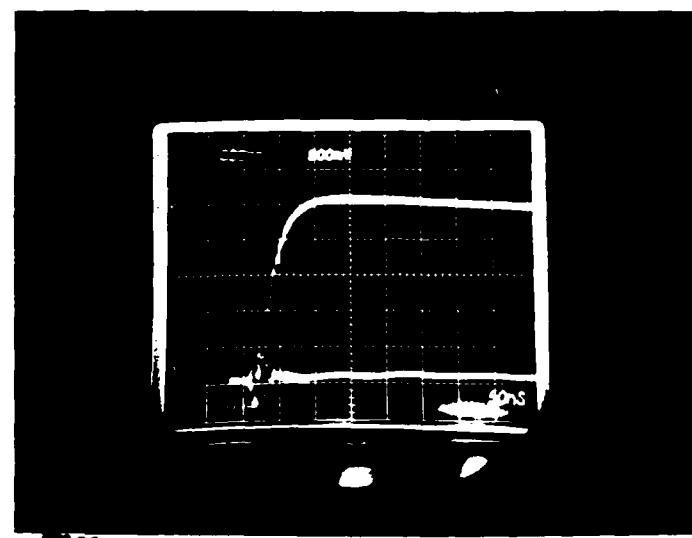
891



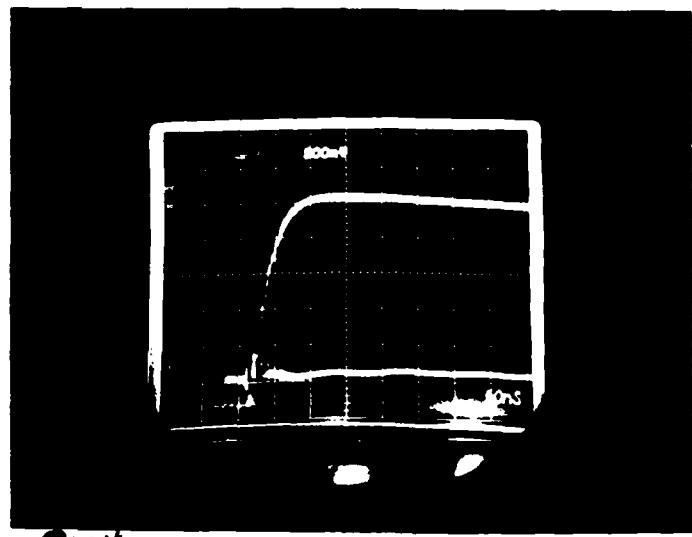
891

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

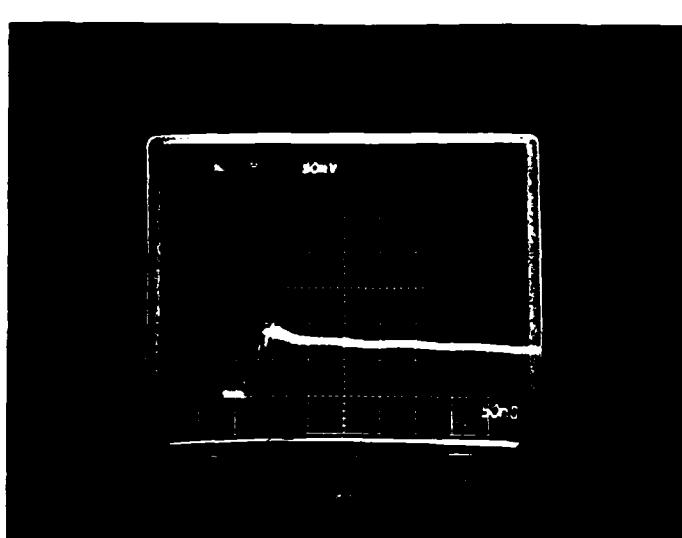
Date	6-6-85
Test Point	26-CH-1/10-A
Amp/Attenuation	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	+ 4500V
Date Init.	
Comments:	7-3



Date	6-6-85
Test Point	26R-CH-1/10-A
Amp/Attenuation	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	- 4500V
Date Init.	
Comments:	7-4

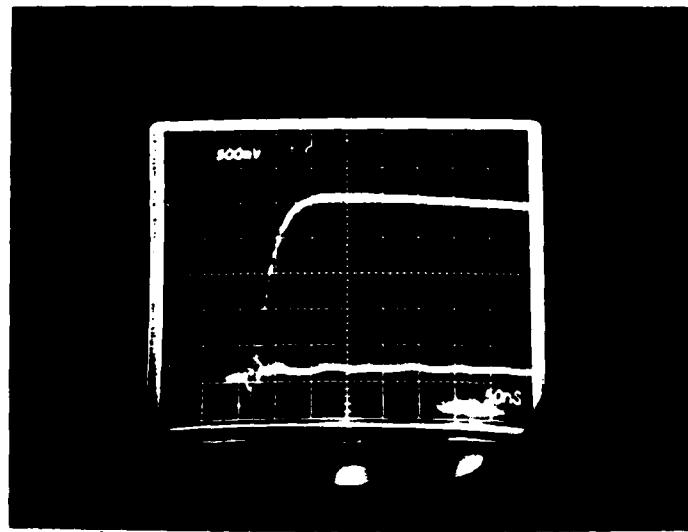


Date	6-6-85
Test Point	26 - CH - Y10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	975



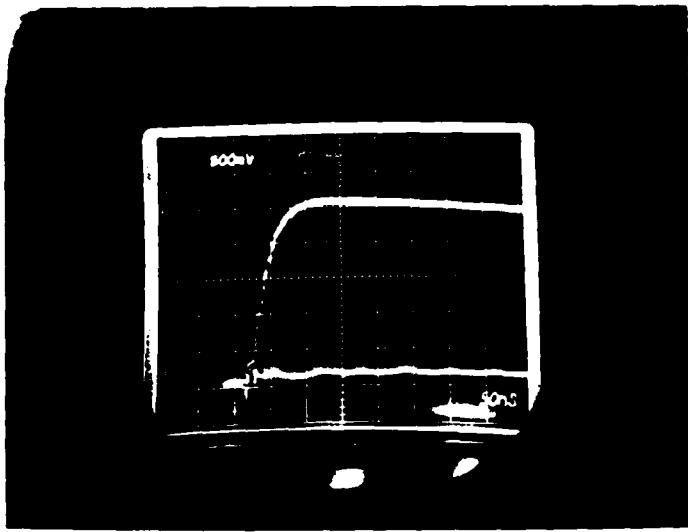
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	27-CH-110-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) mV/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	F72



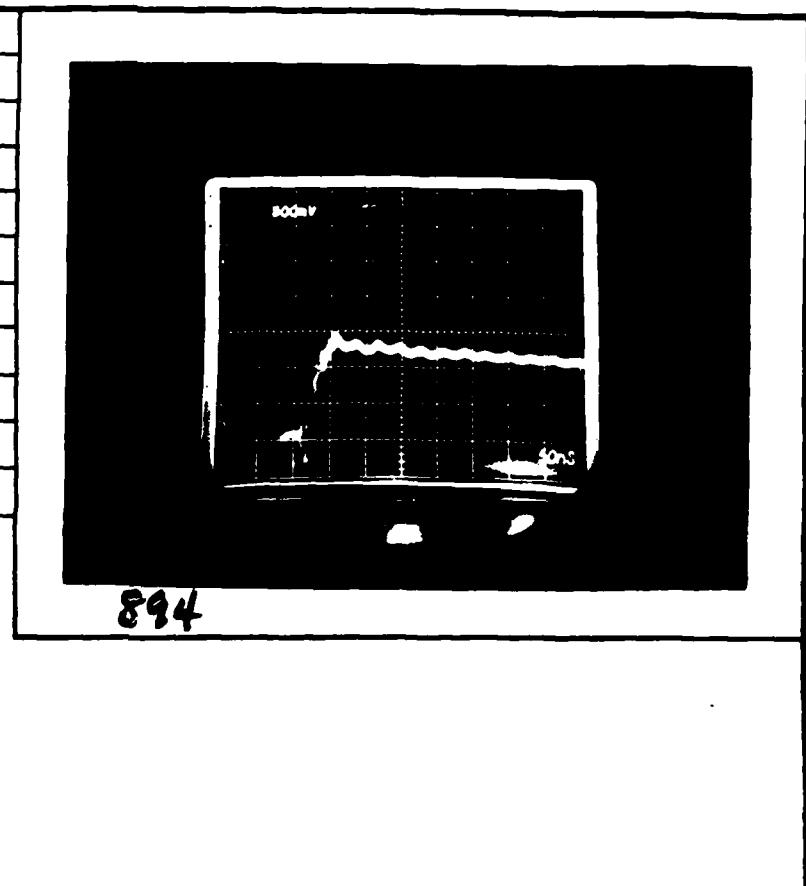
892

Date	6-6-85
Test Point	27R-CH-110-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) mV/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	F73



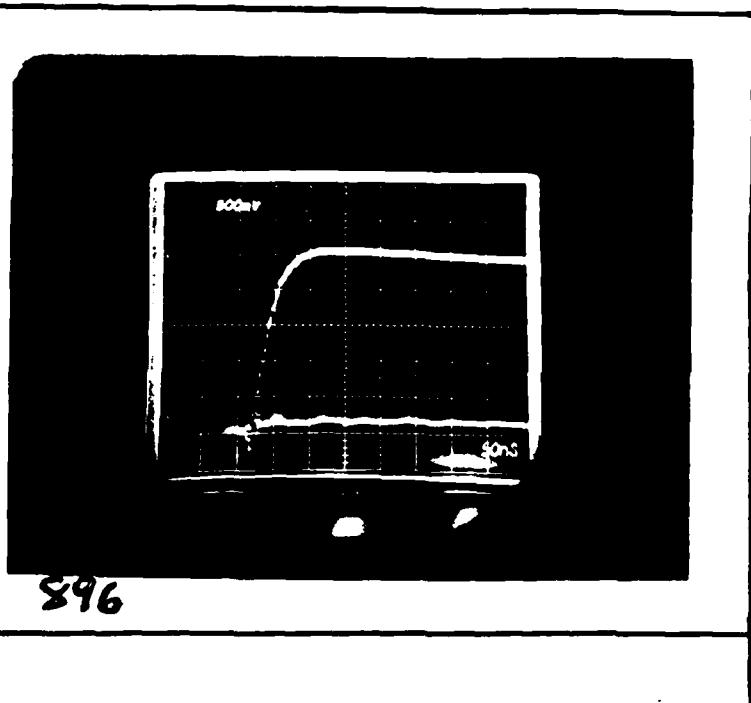
893

Date	6-6-F5
Test Point	27 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86mV) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	874

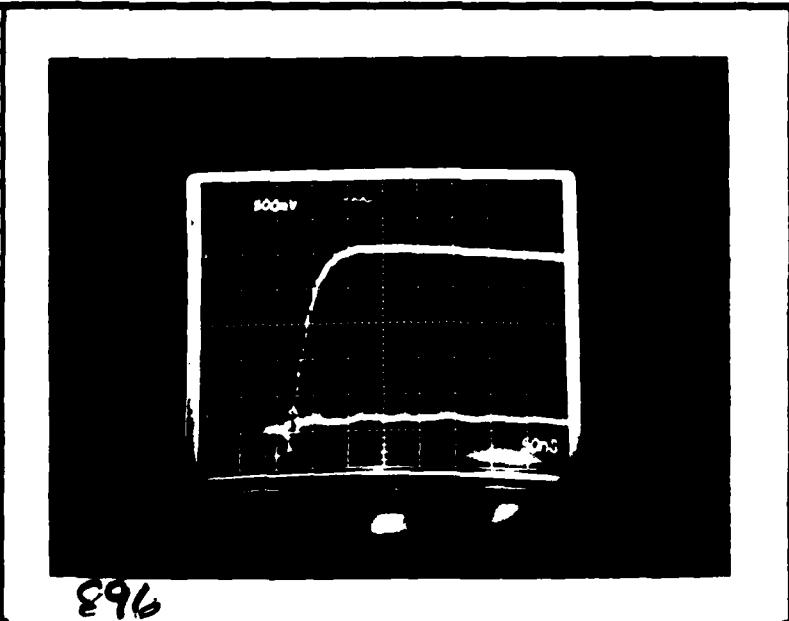


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	27 - CH - Y ₁₀ - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	<i>22</i>



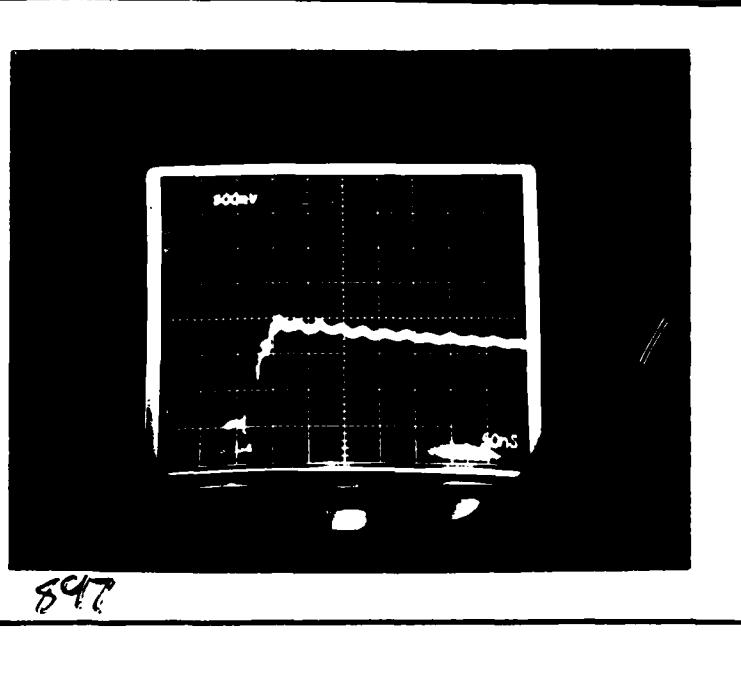
Date	6-6-85
Test Point	27R - CH - Y ₁₀ - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	<i>22</i>



Date	6-6-85
Test Point	27-CH-110-#B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

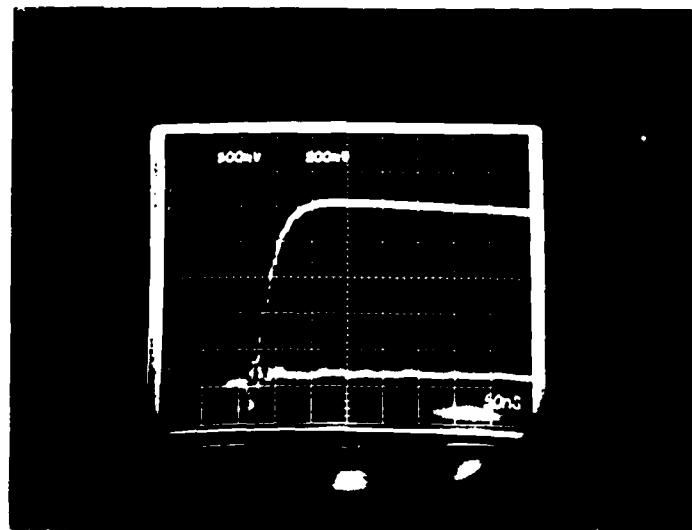
Comments:

377

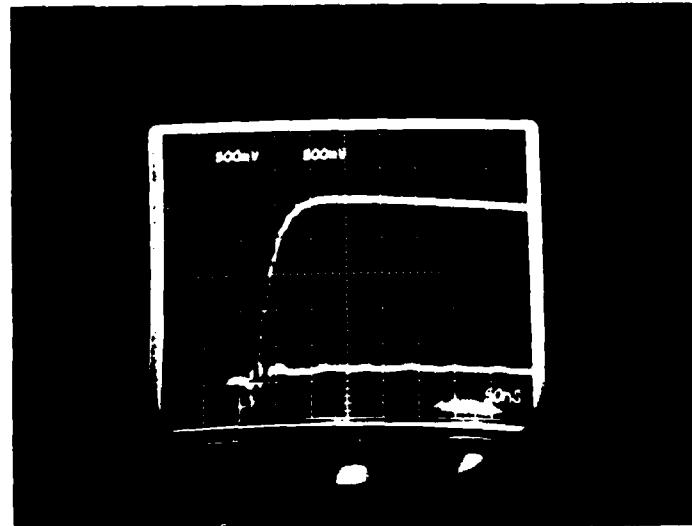


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

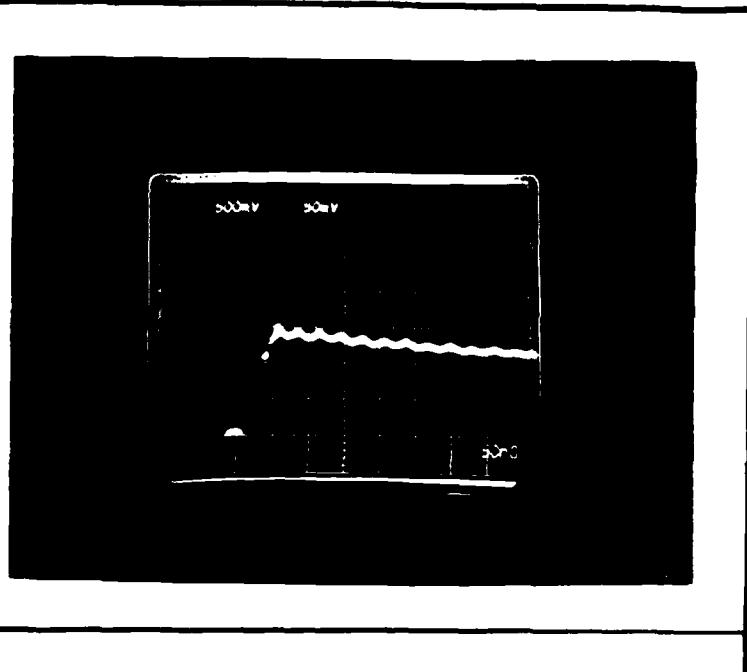
Date	6-6-85
Test Point	27 - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	→ 4500V
Data Link	
Comments:	/ / /



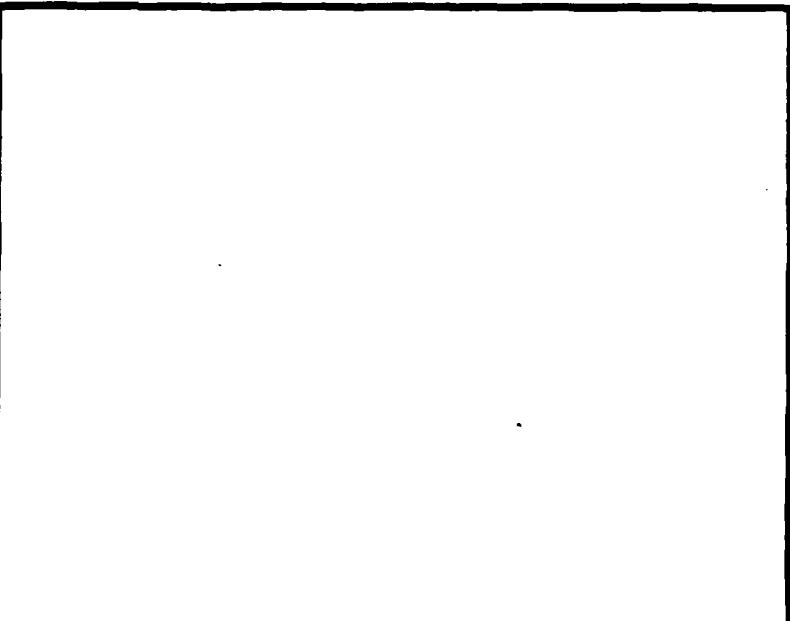
Date	6-6-85
Test Point	27R - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



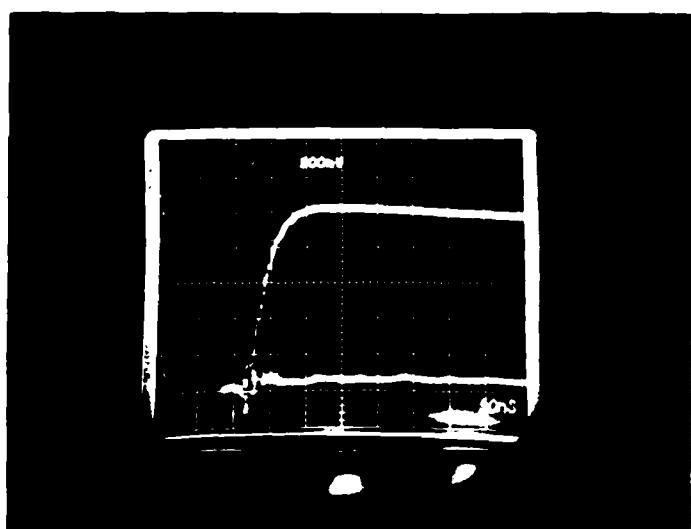
Date	6-6-85
Test Point	27-CH- 1/20 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.5V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	<i>7/15</i>



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

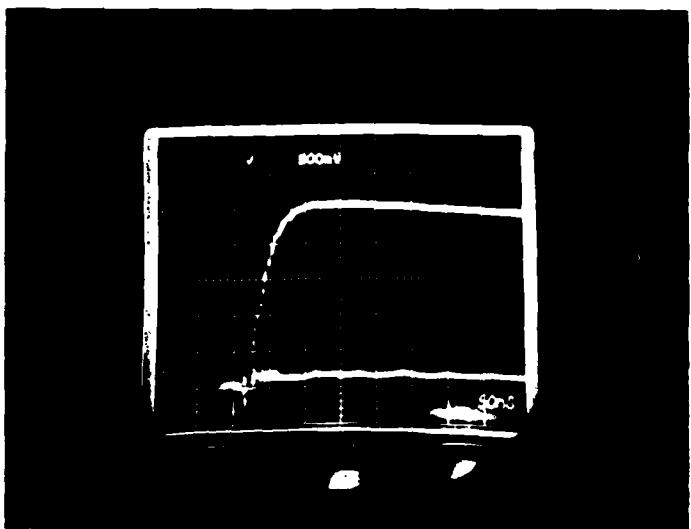


Date	6-6-85
Test Point	27-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



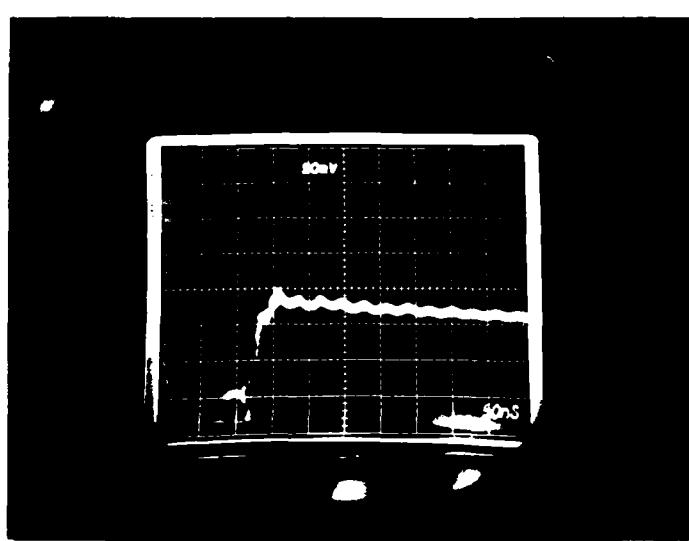
901

Date	6-6-85
Test Point	27R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



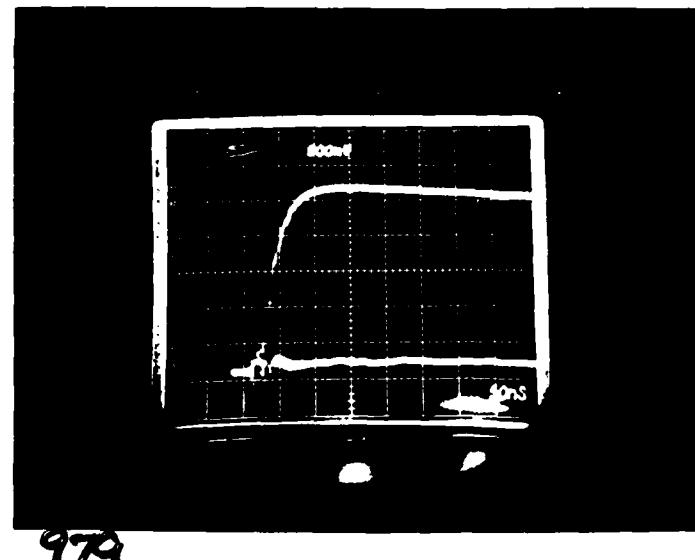
902

Date	6-6-85
Test Point	27 - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	903

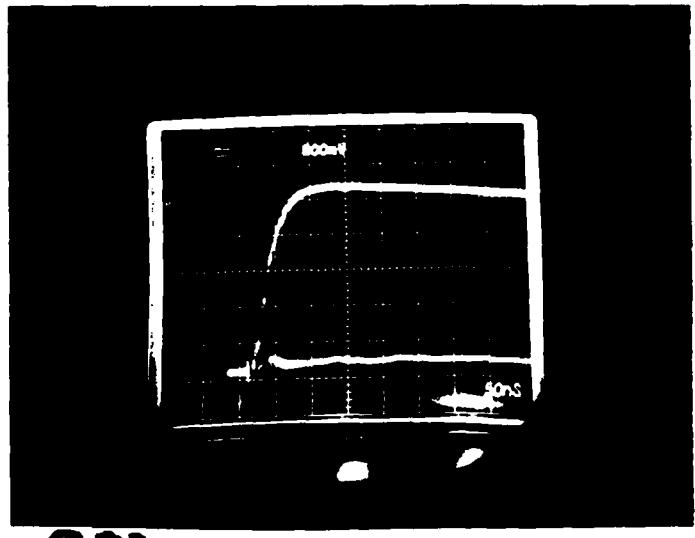


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

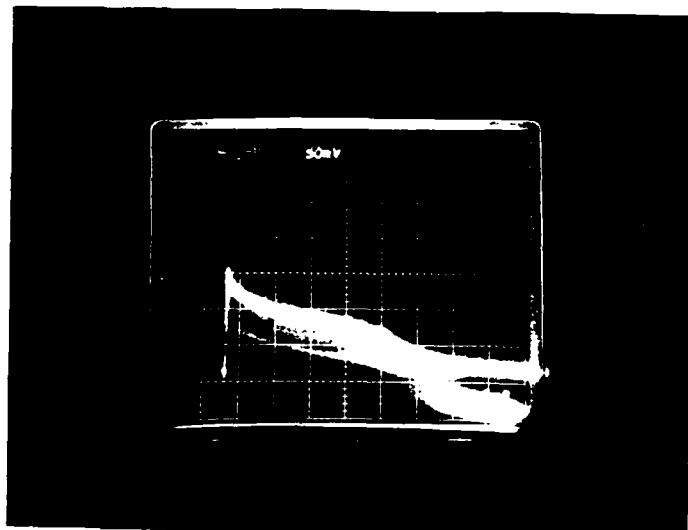
Date	6-6-85
Test Point	28 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	979



Date	6-6-85
Test Point	28R - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	980

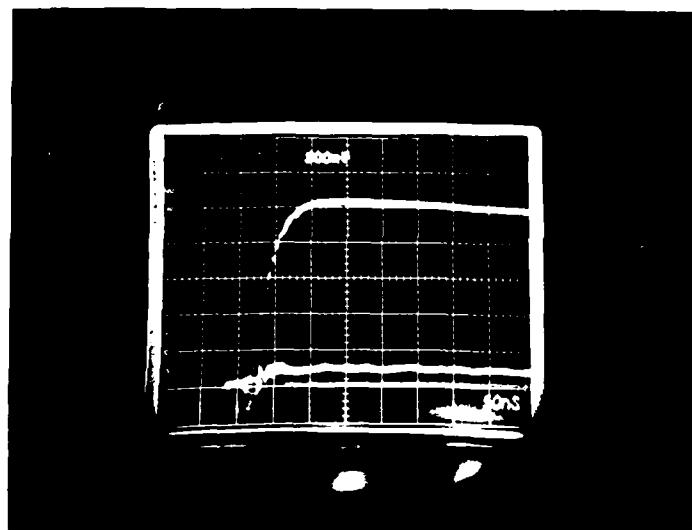


Date	6-6-85
Test Point	28 - CH - 1/10 - 4
Amplification	0 dB
Attenuation	20 dB
Horizontal	1 us/div ns/div 1
Vertical	.05V (286V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	7-7

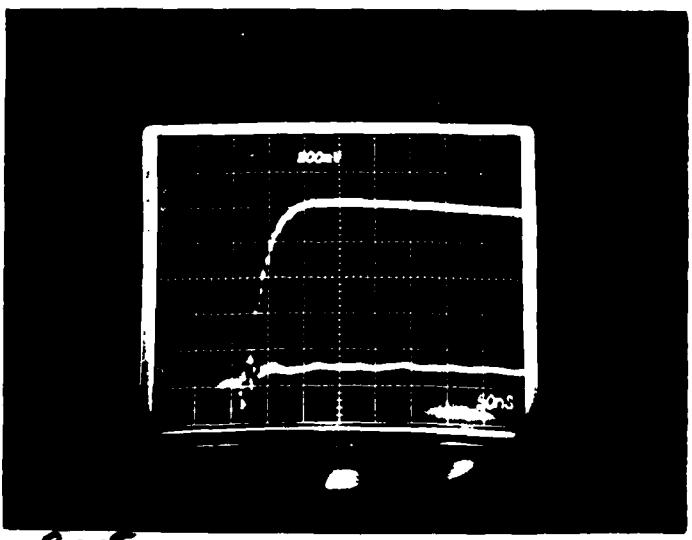


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29 -CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

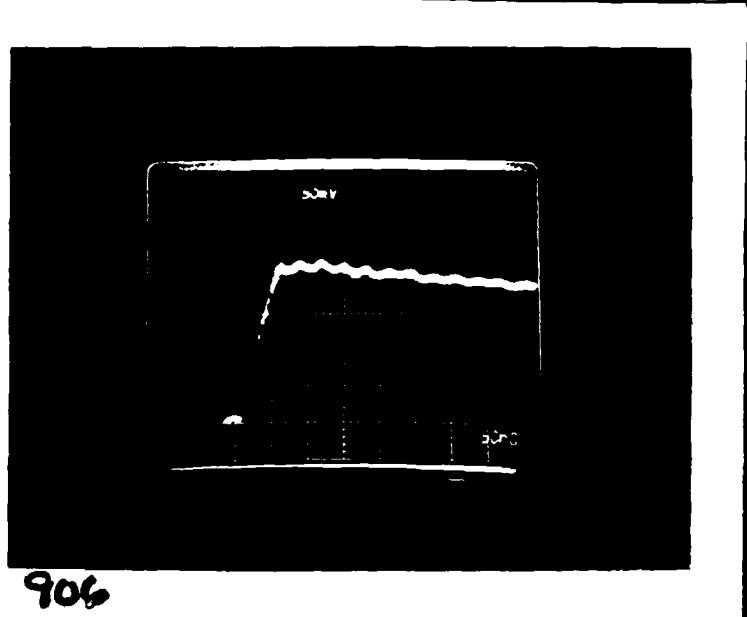


Date	6-6-85
Test Point	29R -CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	29 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	

Comments:



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 29-CH-1/10-B

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical ,5V(860V) mV/div 1

Horizontal ns/div 2

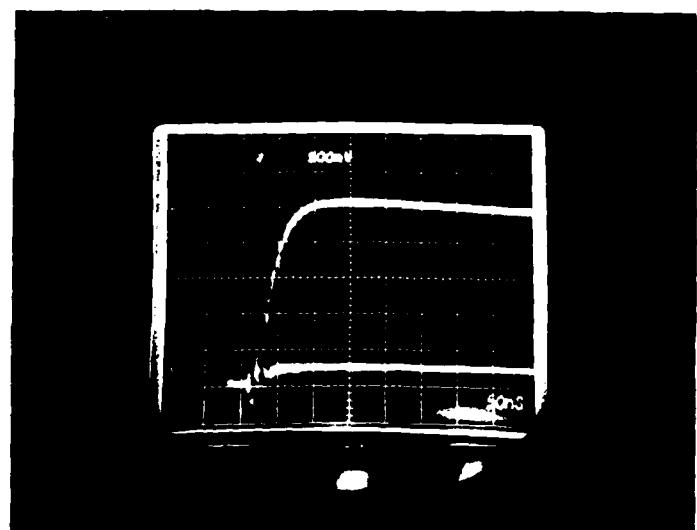
Vertical (860V) ns/div 2

Configuration

Pulser Level + 4500V

Data Link

Comments:



Date 6-6-85

Test Point 29R-CH-1/10-B

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical ,5V(860V) mV/div 1

Horizontal ns/div 2

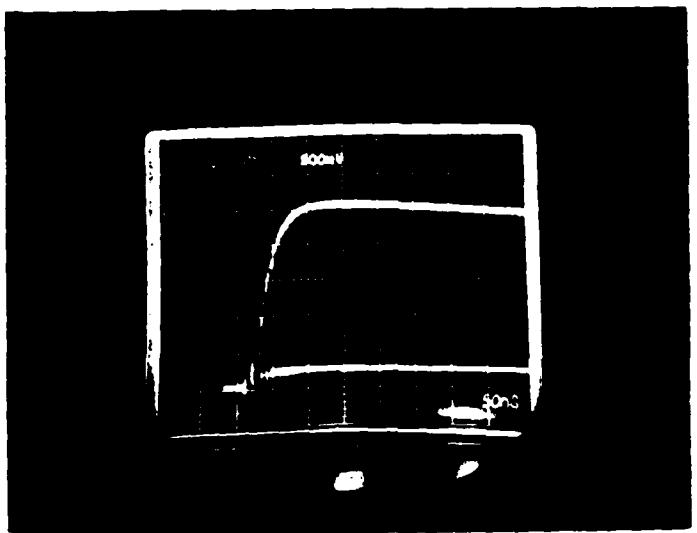
Vertical (860V) ns/div 2

Configuration

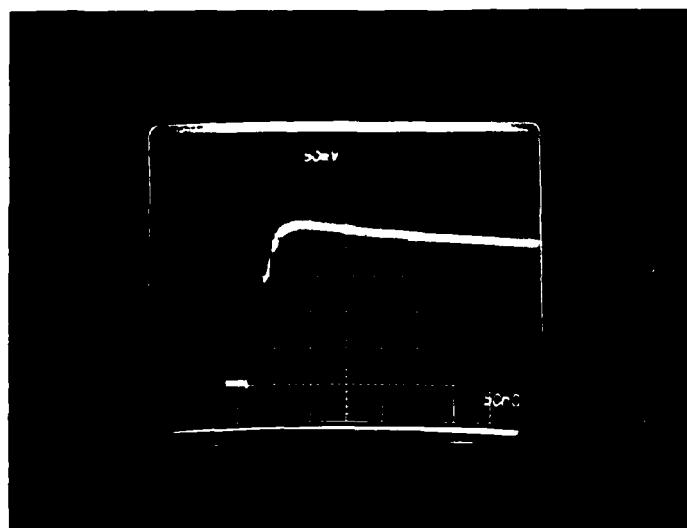
Pulser Level - 4500V

Data Link

Comments:



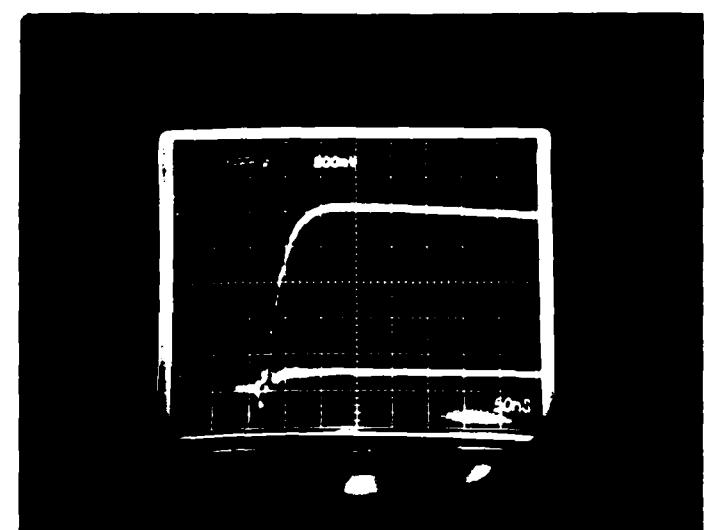
Date	6-6-85
Test Point	29-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	



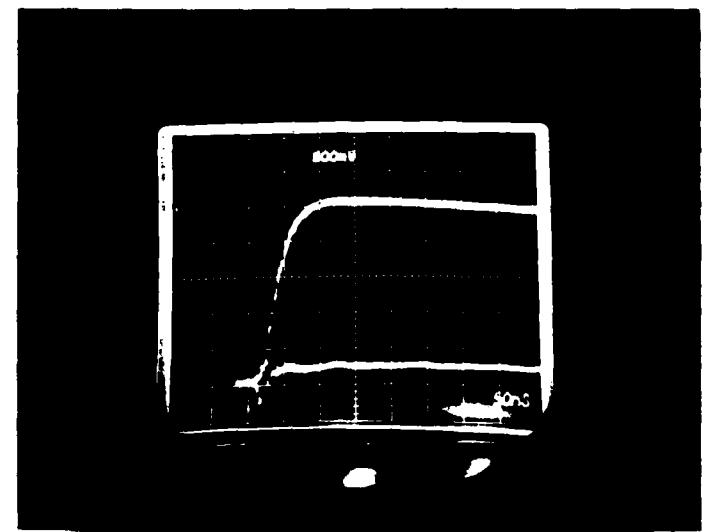
909

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

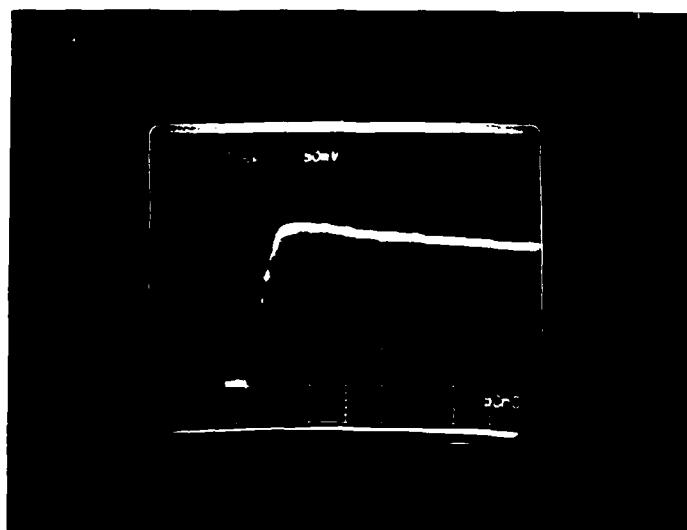


Date	6-6-85
Test Point	29R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	29 - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	

Comments:



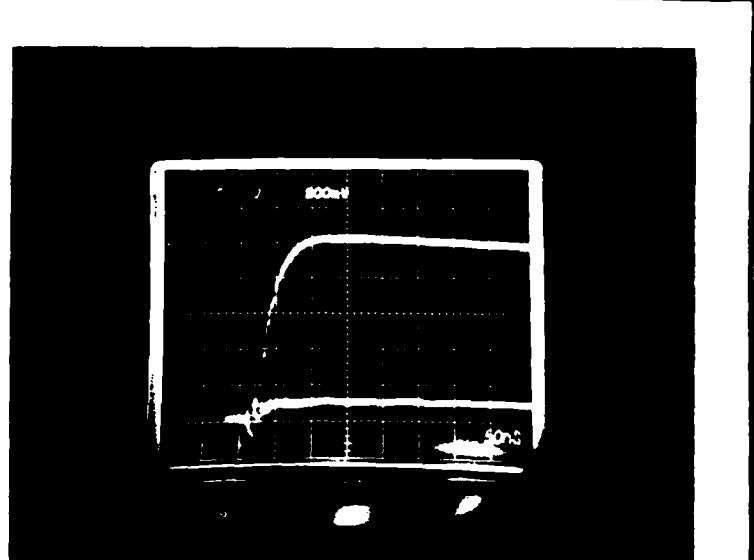
912

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	29-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

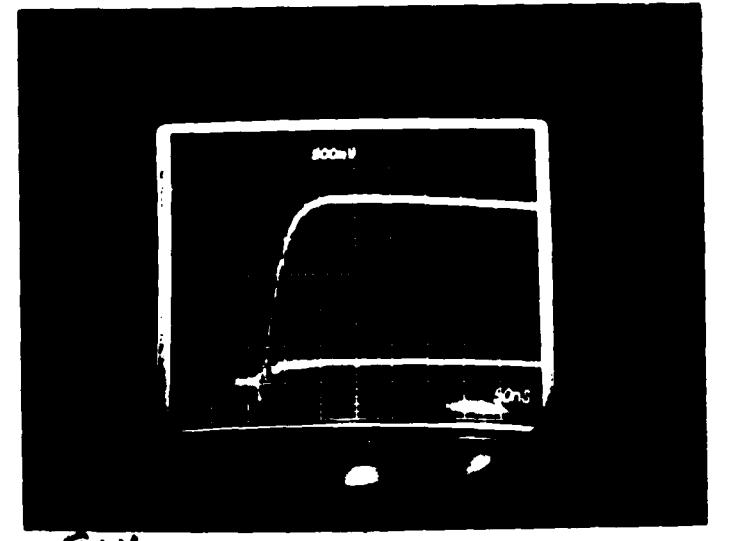
? 3



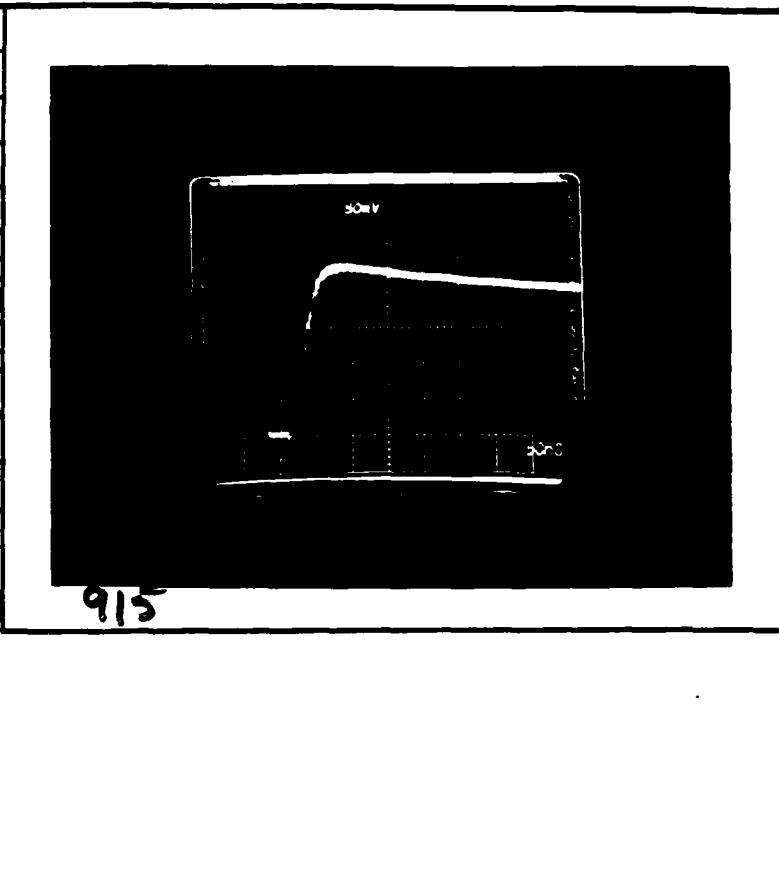
Date	6-6-85
Test Point	29R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	.5V(860V) ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

? 7

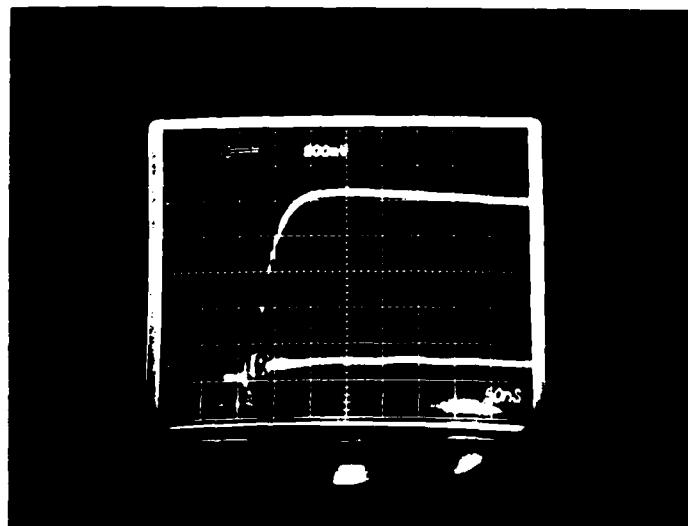


Date	6-6-85
Test Point	29-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (386V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	7-5



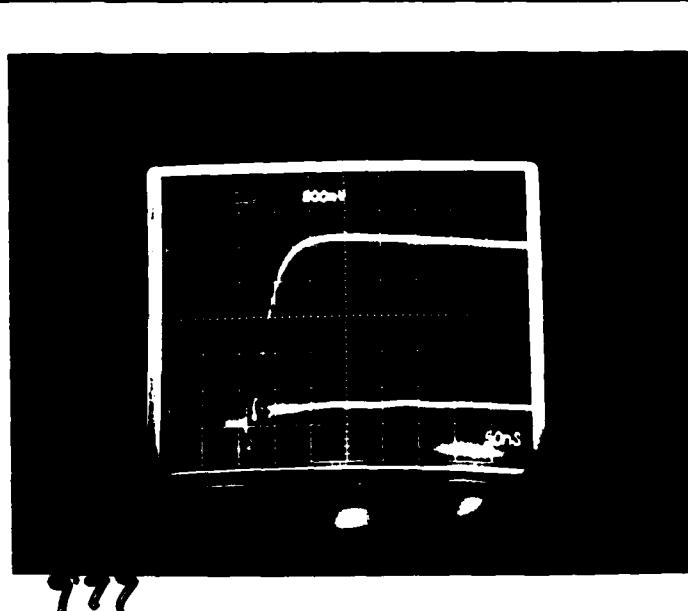
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85
 Test Point 30-CH-Y10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulser Level +4500V



Data Link
 Comments: T76

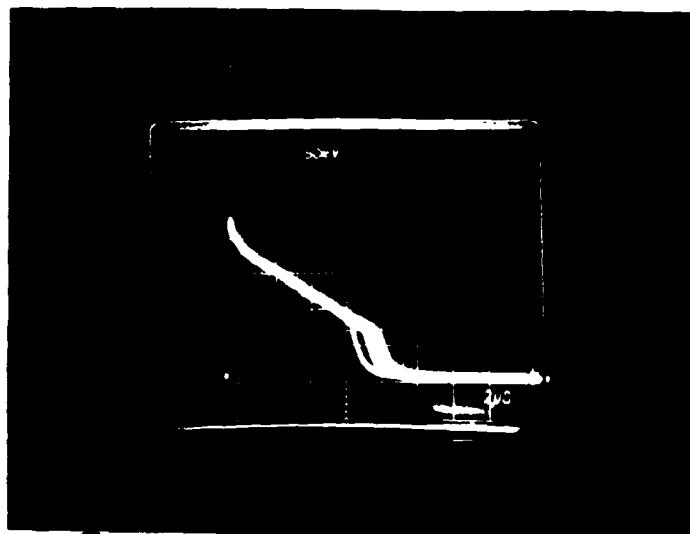
Date 6-6-85
 Test Point 30R-CH Y10-A
 Amplification 0 dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(860V) mV/div 1
 Horizontal ns/div 2
 Vertical (860V) ns/div 2
 Configuration
 Pulser Level -4500V



Data Link
 Comments: T77

Date	6-6-85
Test Point	30-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	2ns/div 1
Vertical	.05V(86V) 2mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

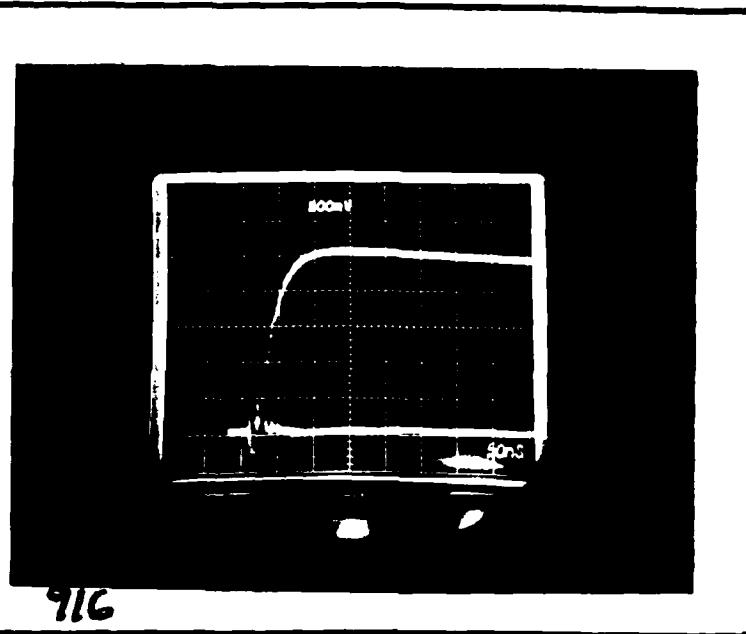
978



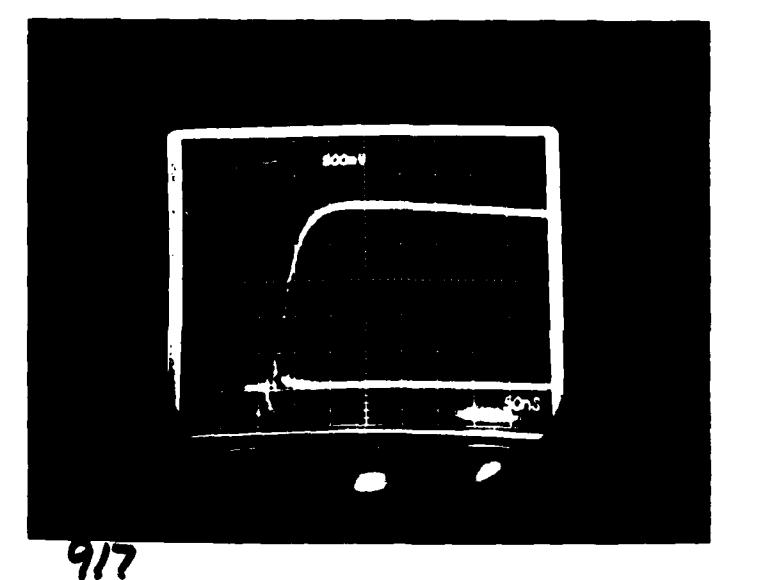
978

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

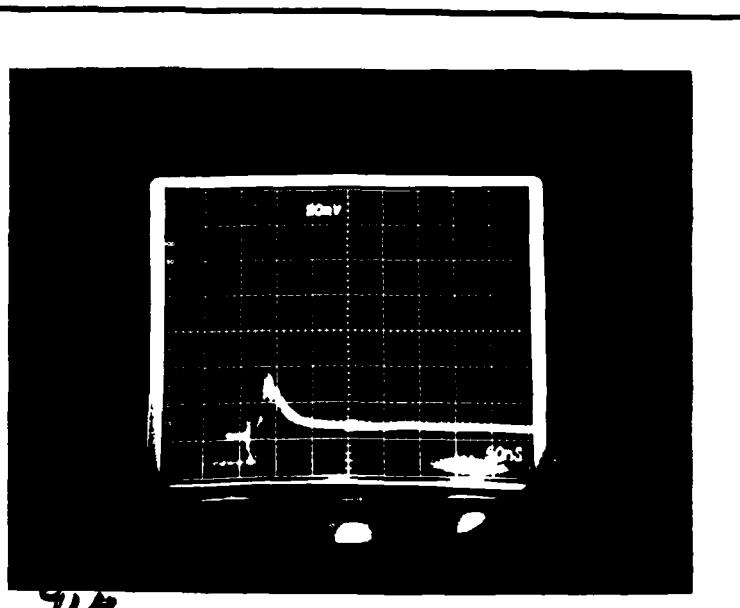
Data	6-6-85
Test Point	32 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	



Data	6-6-85
Test Point	32R - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulse Level	- 4500V
Data Link	
Comments:	

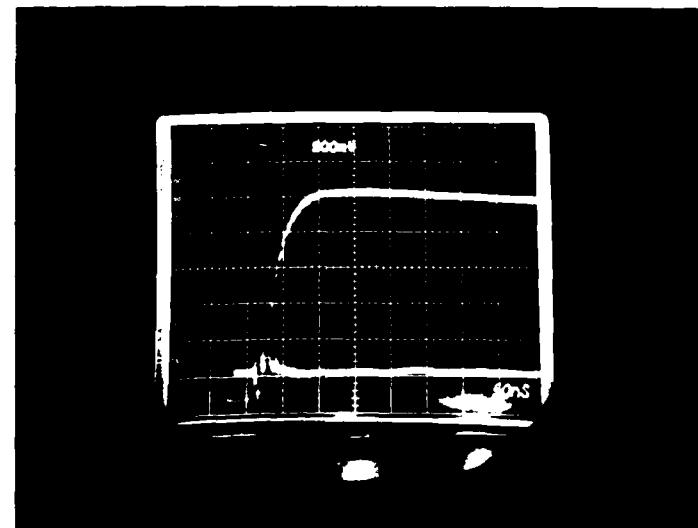


Date	6-6-85
Test Point	32 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

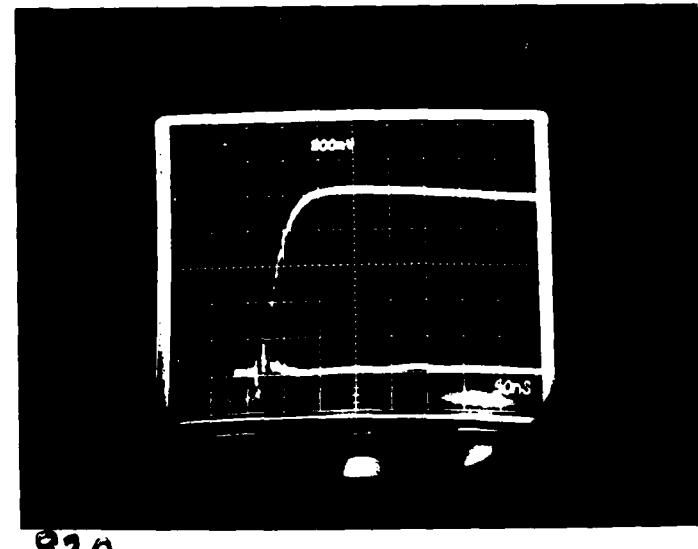


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

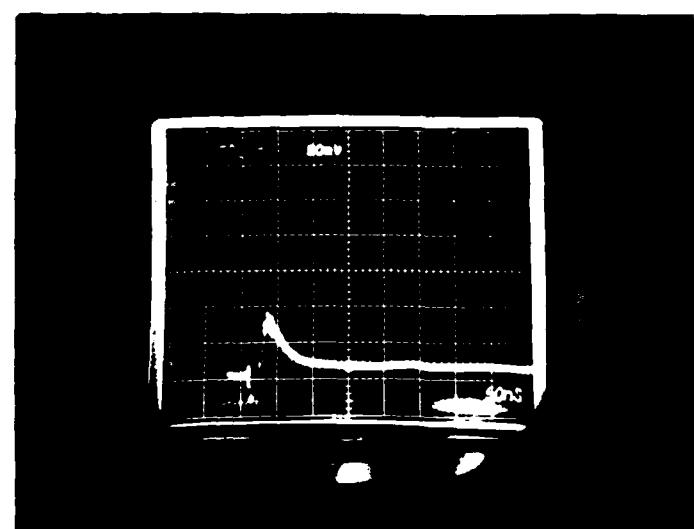
Date	6-6-85
Test Point	32 - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	32R - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

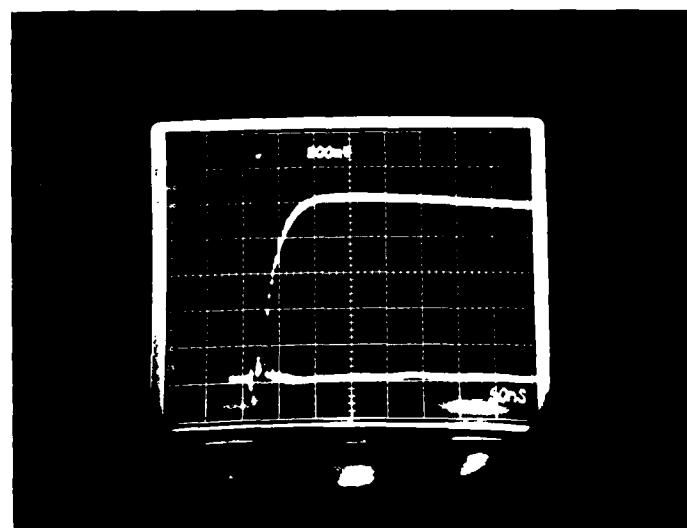


Date	6-6-85
Test Point	32 - CH - 1 ₁₀ - R
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	$.5V (.86 V)$ mV/div 1
Horizontal	ns/div 2
Vertical	$86' V$ ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

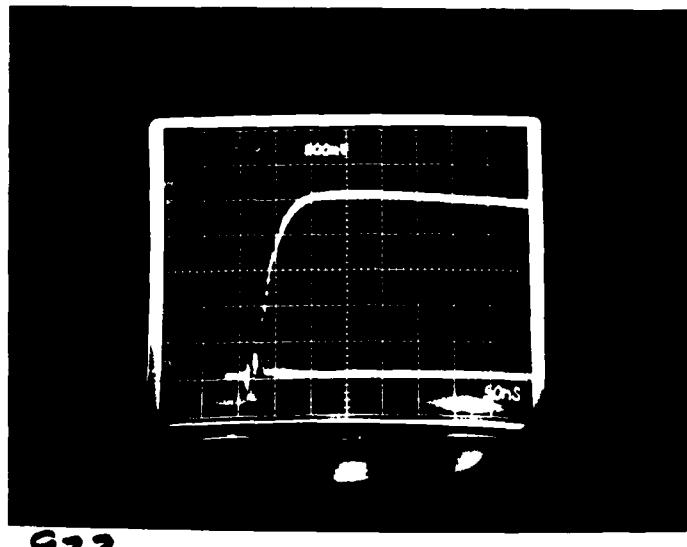


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

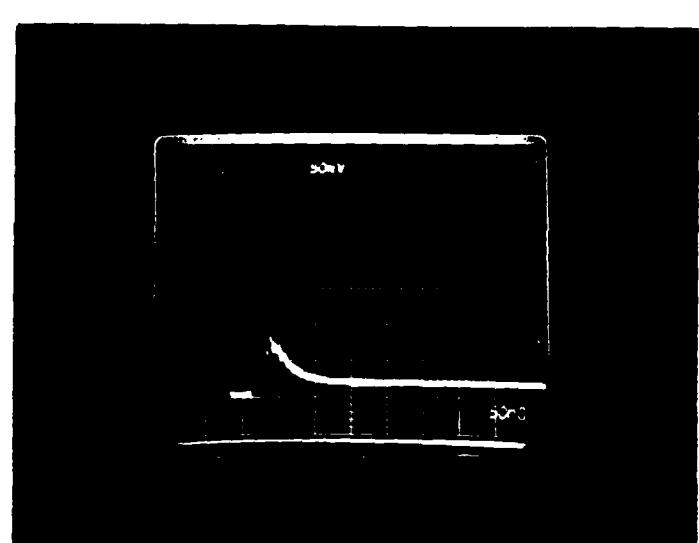
Date	6-6-85
Test Point	32 - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



Date	6-6-85
Test Point	32R - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1860V) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	11

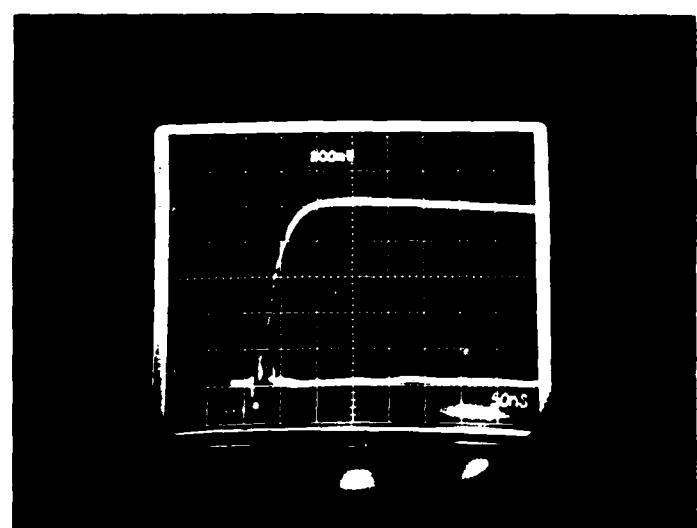


Data	6-6-85
Test Point	32-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	0.05V (86V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	

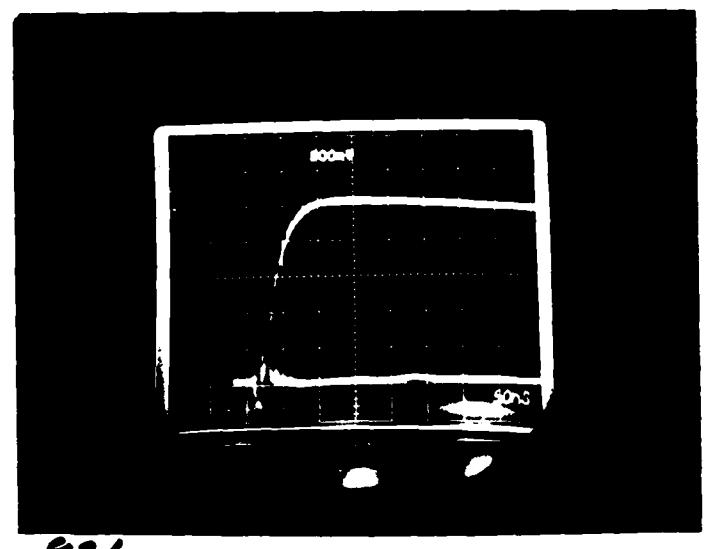


Data	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	32 - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

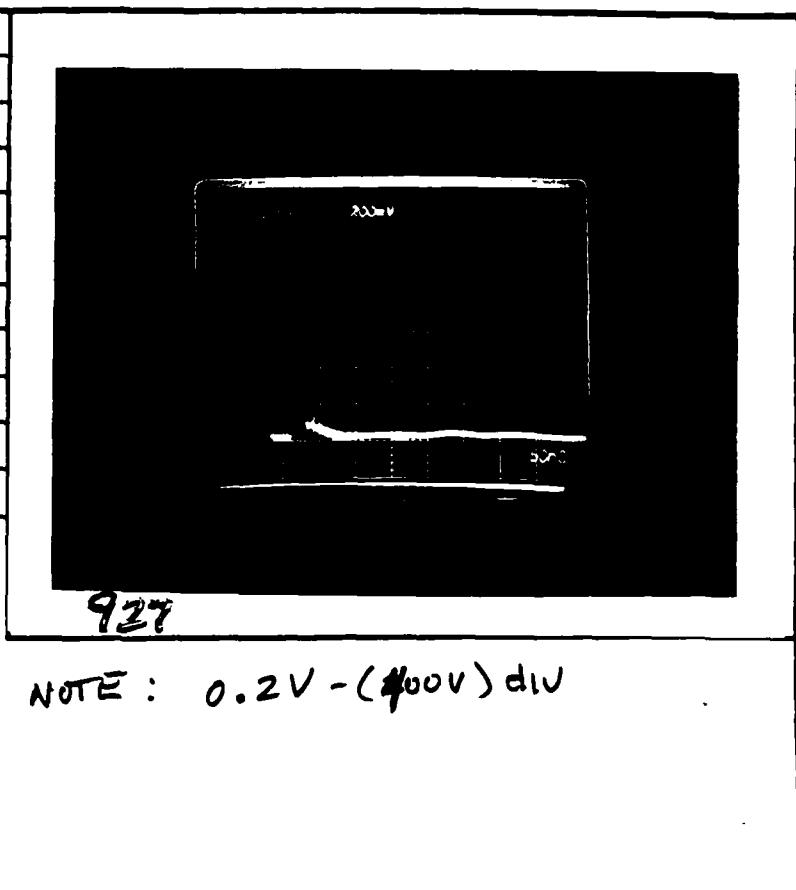


Date	6-6-85
Test Point	32R - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



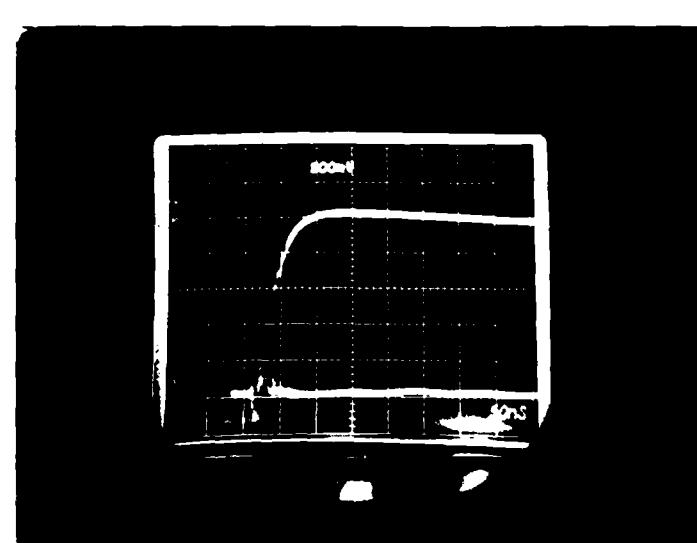
Date	6-6-85
Test Point	32 - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,2V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	(344V) mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

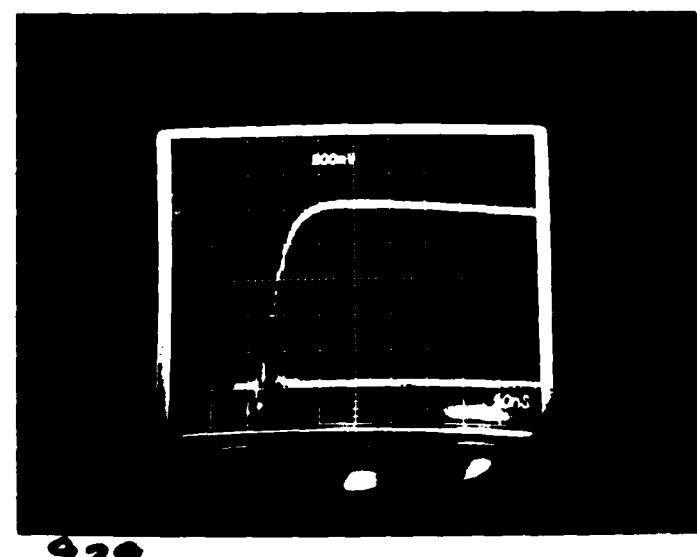


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	32 - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



Date	6-6-85
Test Point	32R - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (860V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	



Date 6-6-85-

Test Point 32-CH-1/10-E

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .05V (100V) mV/div 1

Horizontal ns/div 2

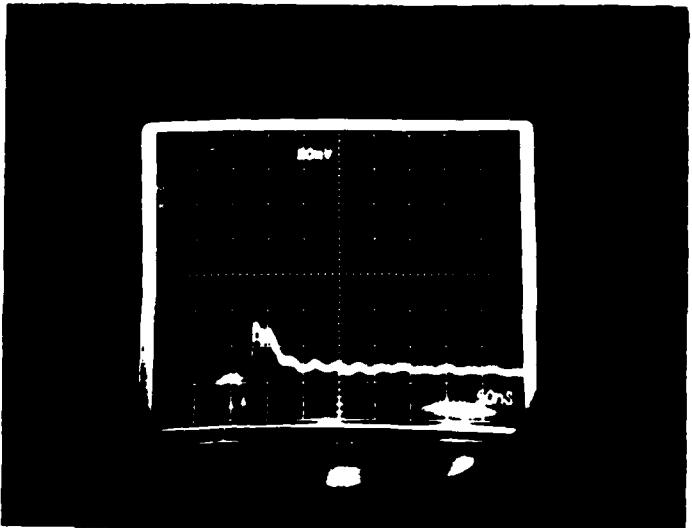
Vertical (86V) ns/div 2

Configuration

Pulser Level +500V

Data Link

Comments:



930

Date

Test Point

Amplification dB

Attenuation dB

Horizontal ns/div 1

Vertical mV/div 1

Horizontal ns/div 2

Vertical ns/div 2

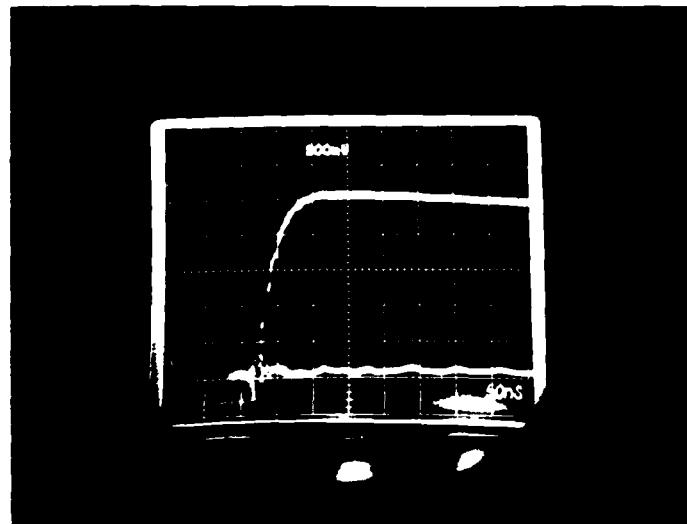
Configuration

Pulser Level

Data Link

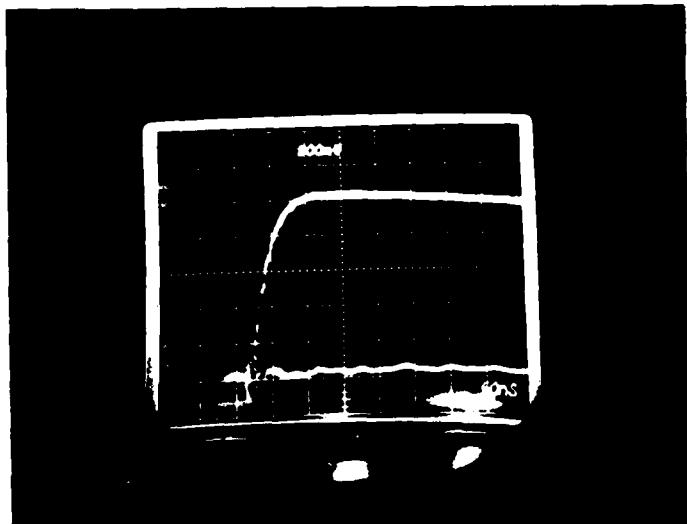
Comments:

Date	6-6-85
Test Point	34-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (to peak) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	934



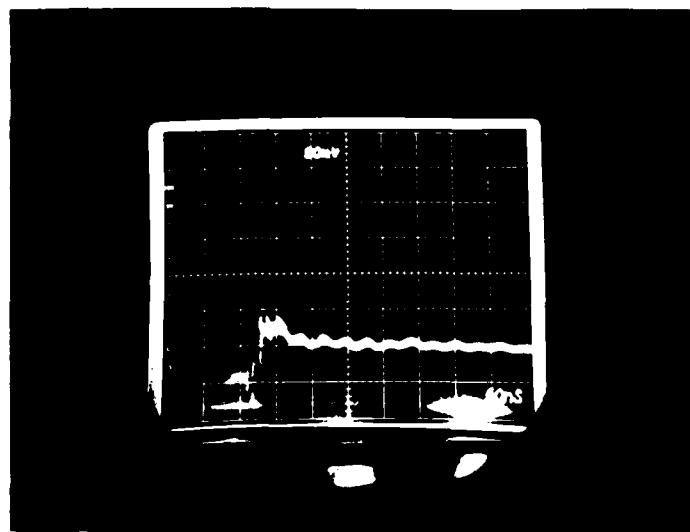
334 - 934

Date	6-6-85
Test Point	34R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (to peak) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	935



335 935

Date	6-6-85
Test Point	34 - CH- 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (±0.05V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	936



336 936

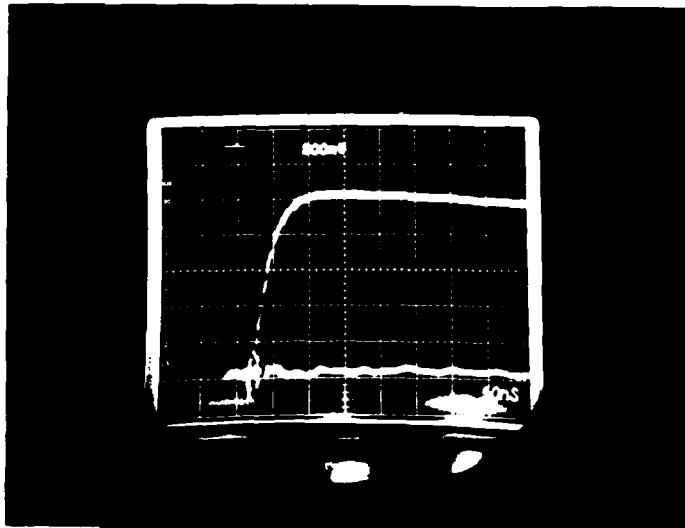
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	34-CH-Y ₆₀ -B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V -ns/div 2
Configuration	
Pulser Level	+ 4500 V

Data Link

Comments:

937



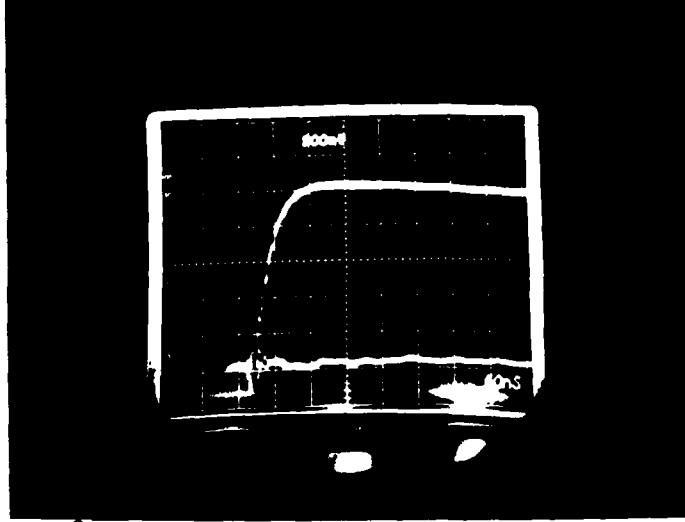
937

Date	6-6-85
Test Point	34R-CH-Y ₆₀ -B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V -ns/div 2
Configuration	
Pulser Level	- 4500 V

Data Link

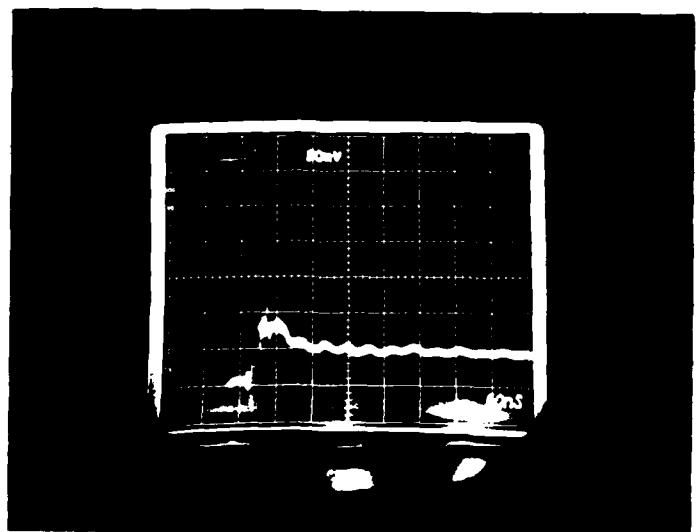
Comments:

932



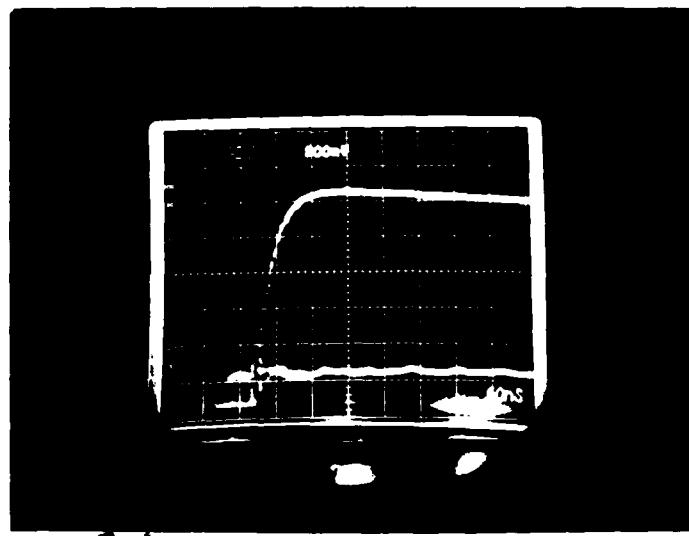
938

Date	6-6-85
Test Point	34 - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (top) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	73.7

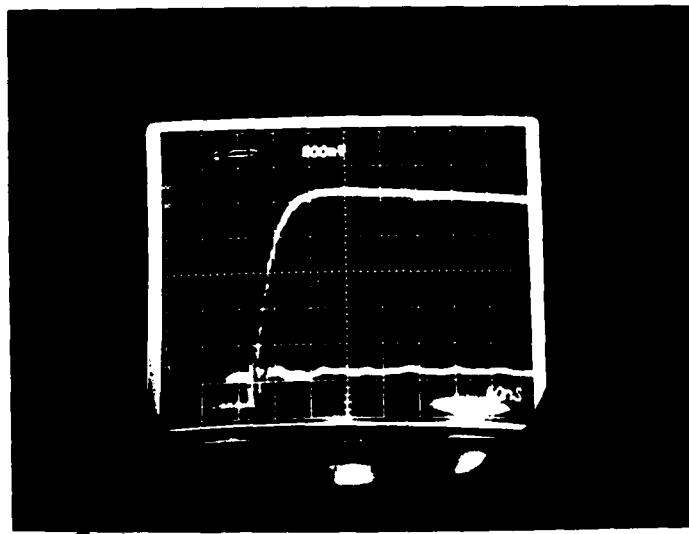


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

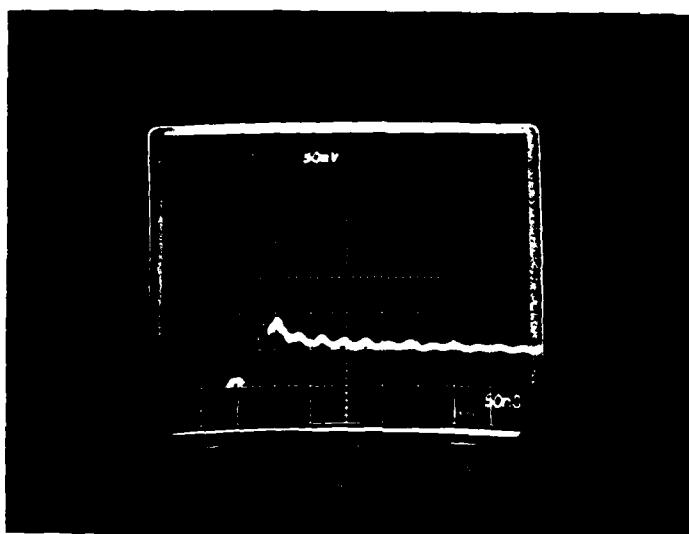
Date	6-6-85
Test Point	34-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000x) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	7/10



Date	6-6-85
Test Point	34R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000x) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	7/10

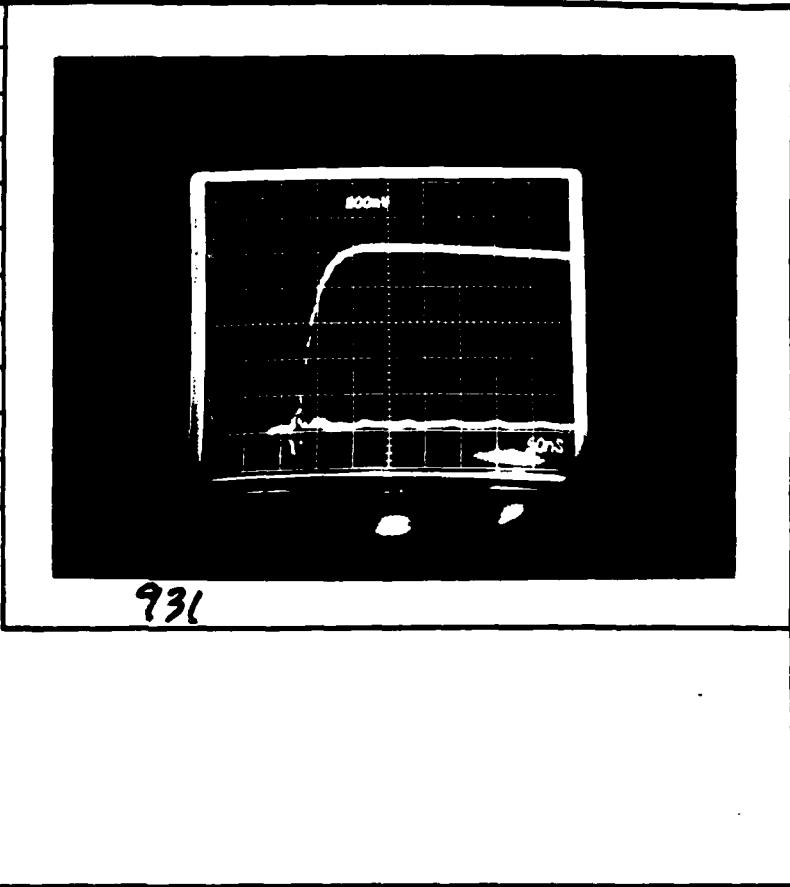


Date	6-6-85
Test Point	34-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (±0.05V) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	91 92

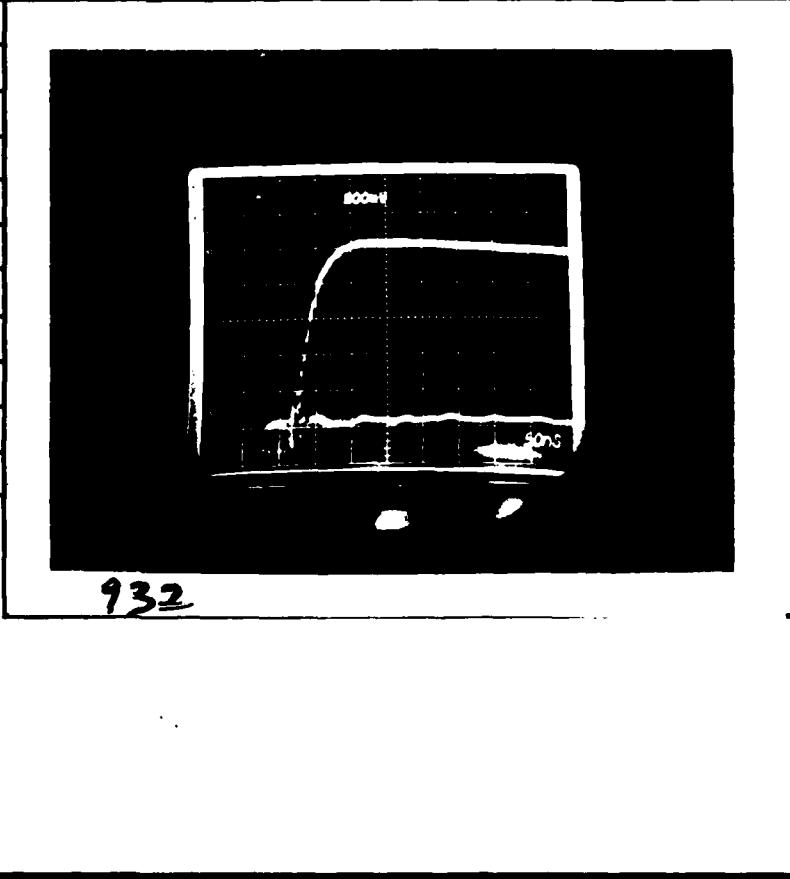


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

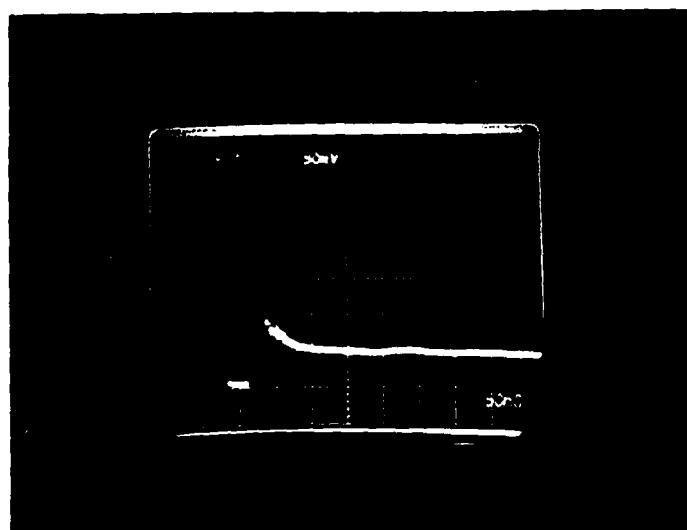
Date	6-6-85
Test Point	35-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	731



Date	6-6-85
Test Point	35R-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	732

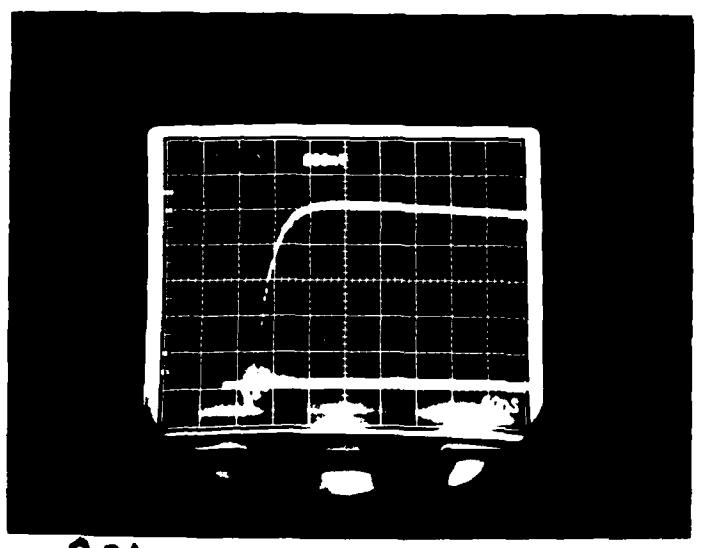


Date	6-6-85
Test Point	35-C4-110-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	.86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	733

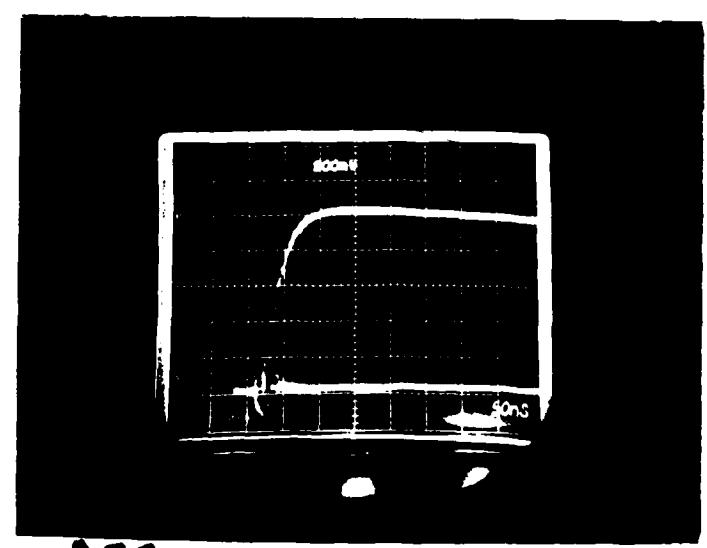


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	933

Date	6-6-85
Test Point	35 - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+0.5V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	151

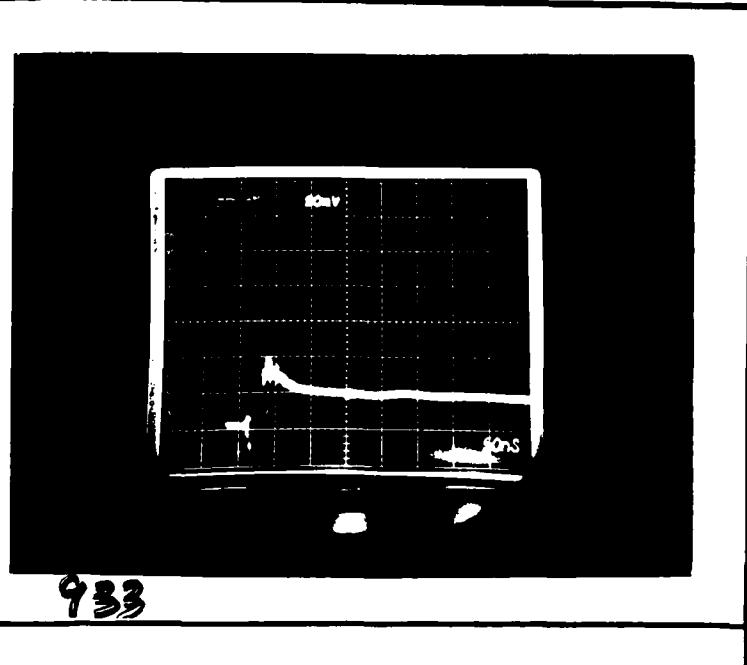


Date	6-6-85
Test Point	35R - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+0.5V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



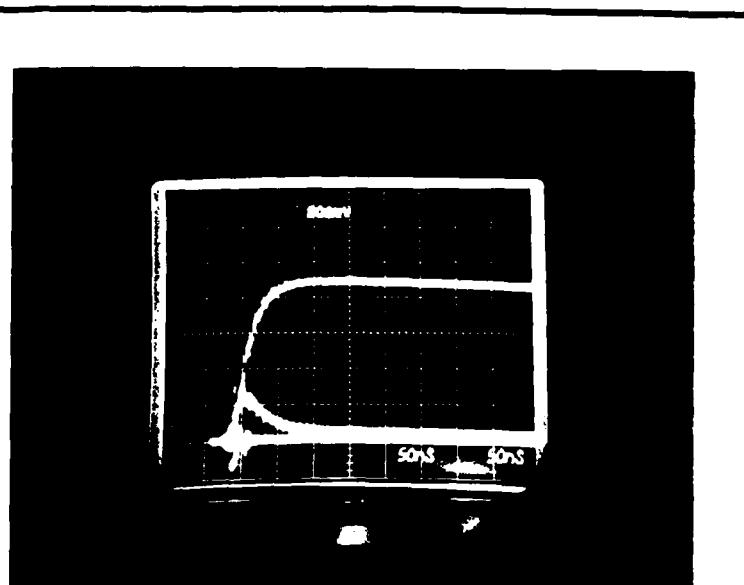
Date	6-6-85
Test Point	35-CH-Y10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (top) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

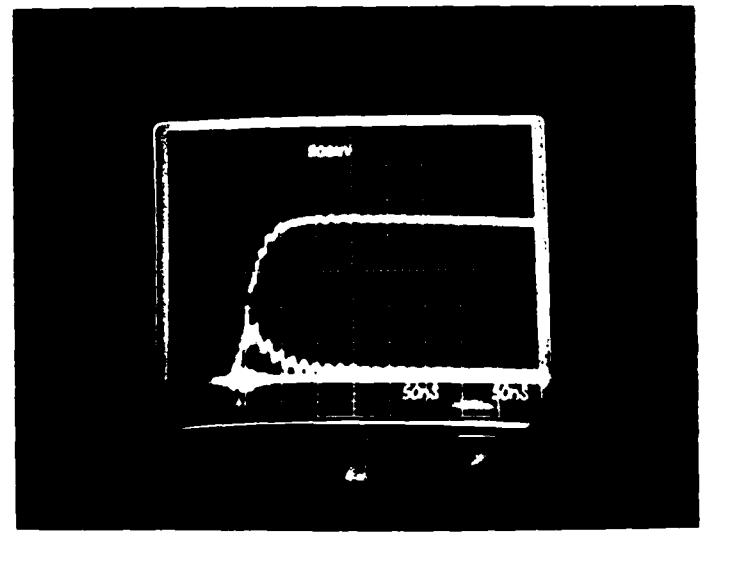
Date	6-10-85
Test Point	3G - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1185

DATA @ .5V (100V)

Date	6-10-85
Test Point	3GR - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



126

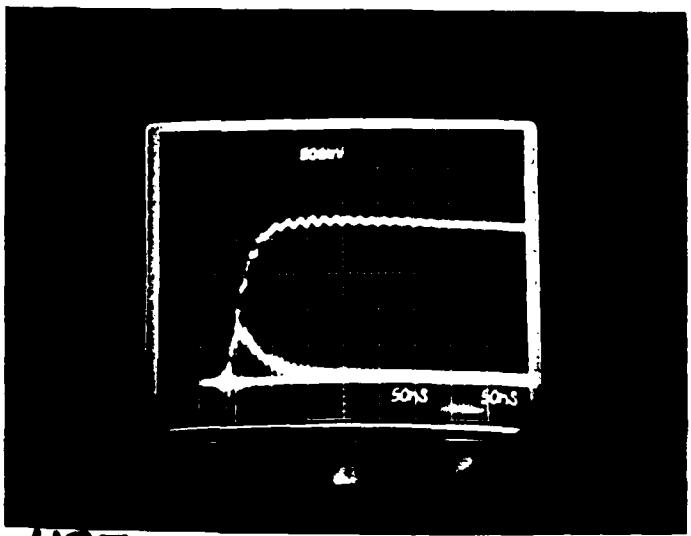
DATA @ .05V (100V)

Date	6-10-85
Test Point	37 - CH - 1/10 - Ø
Ampification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1184



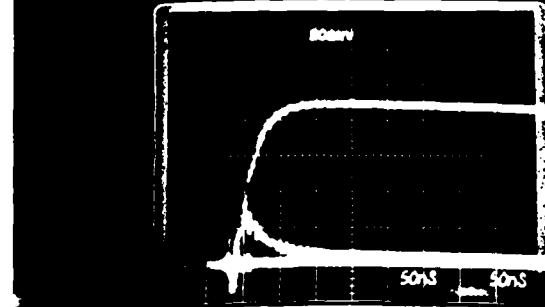
DATA @ .05V (100V)

Date	6-10-85
Test Point	37R - CH - 1/10 - Ø
Ampification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1187



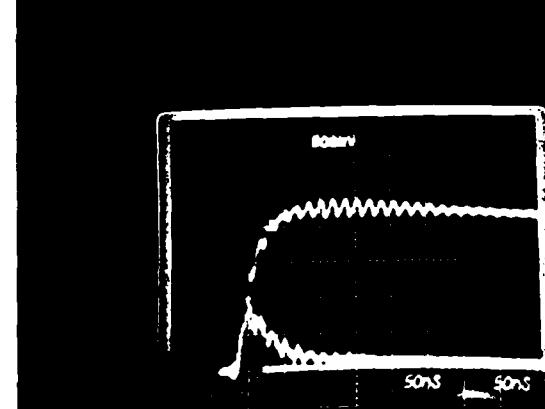
DATA @ .05V (100V)

Date	6-10-85
Test Point	38 - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1187



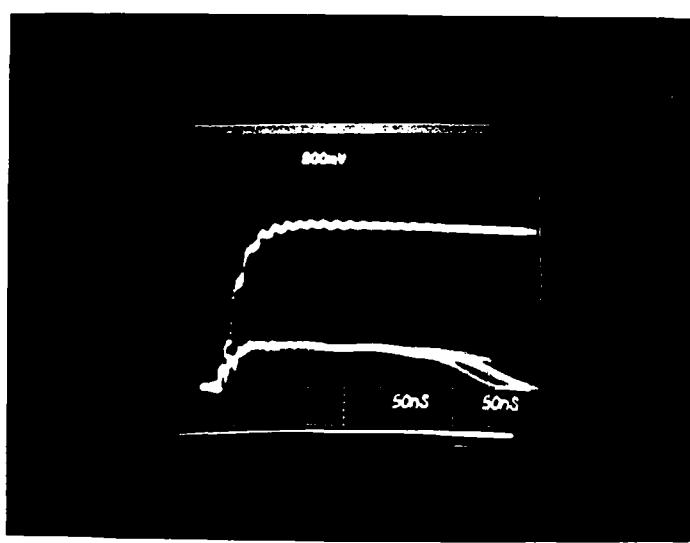
DATA @ .05 (100V)

Date	6-10-85
Test Point	38R - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1188



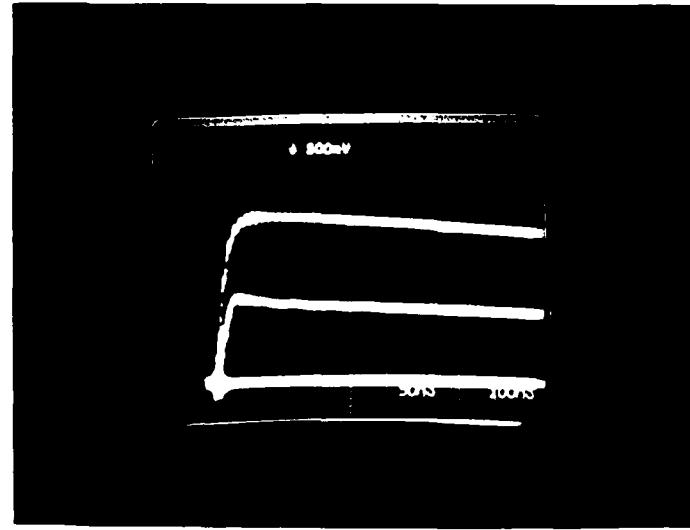
DATA @ .05V (100V)

Date	6-11-85
Test Point	<u>39-CH-1/10-Ø</u>
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	"HOT" LEADS 120°



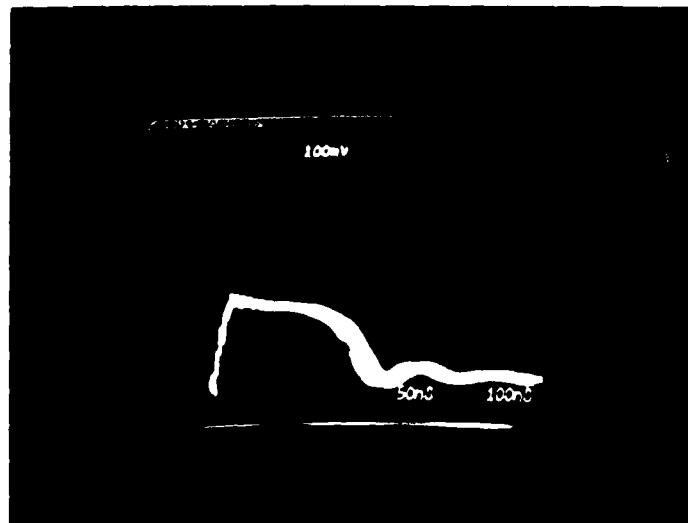
DATA @ .2V (400V)

Date	6-11-85
Test Point	<u>39R-CH- 1/10- Ø</u>
Amplification	dB
Attenuation	20 dB
Horizontal	100 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	"HOT" LEADS 20°



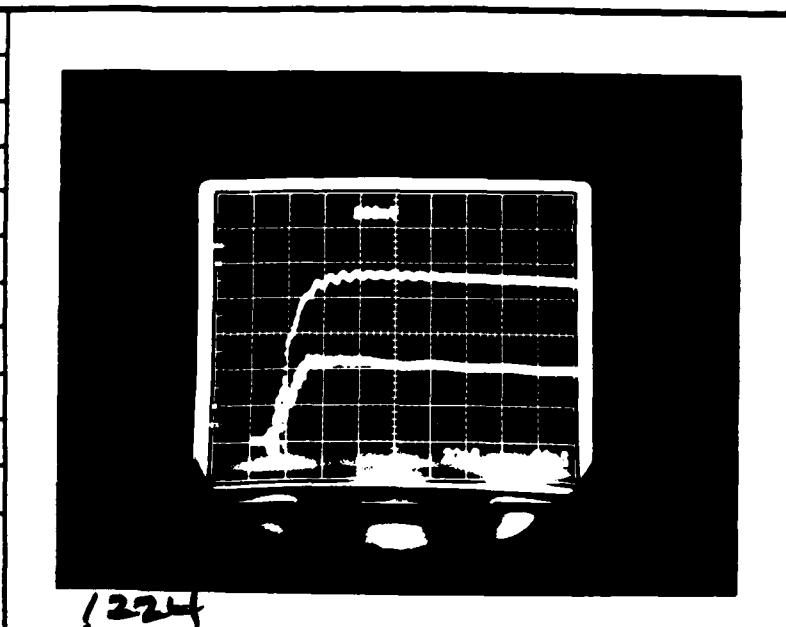
DATA @ .1V (200V)

Date	6-11-85
Test Point	39-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	100 ns/div 1
Vertical	1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	"HOT" LEAD



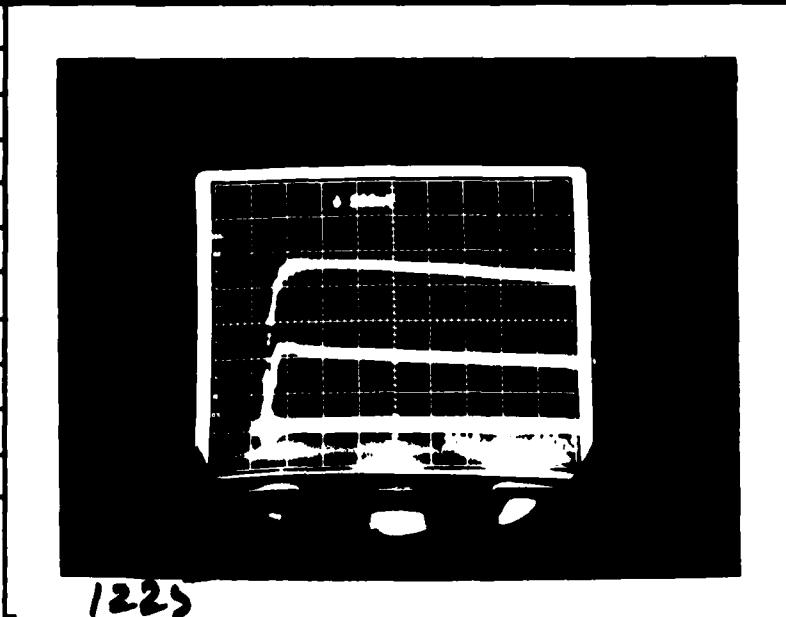
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-11-85
Test Point	39- CH- 1/10 - ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	2114



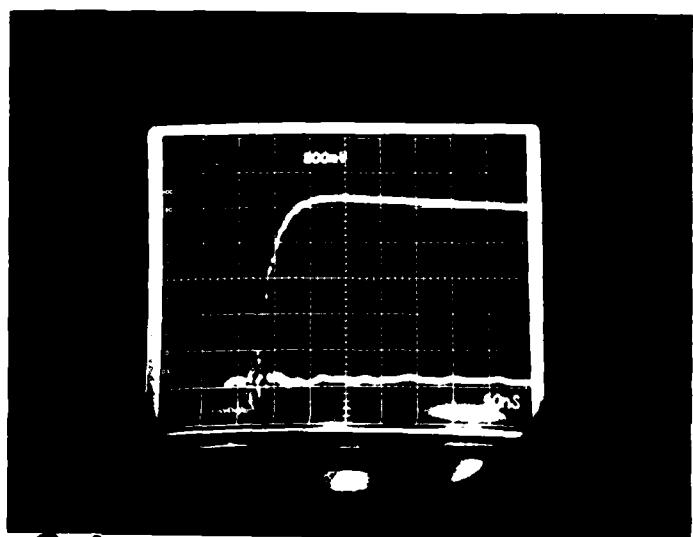
DATA @ +1V (200V)

Date	6-11-85
Test Point	39R-CH- 1/10 - ϕ
Amplification	dB
Attenuation	20 dB
Horizontal	100 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	-

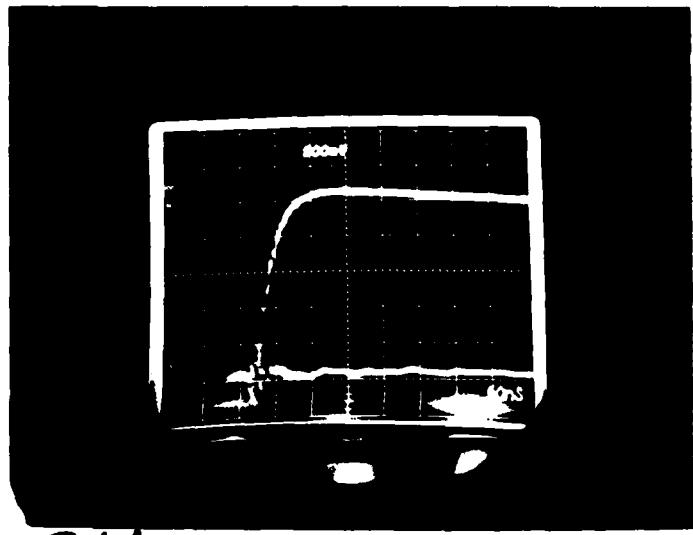


DATA @ .1V (200V)

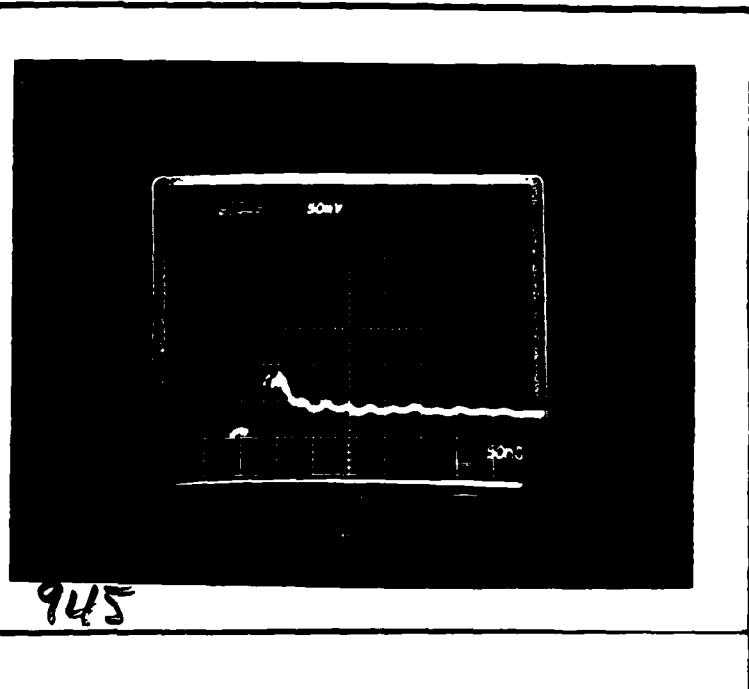
Date	6-6-85
Test Point	4(- CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+ve) mV/div 1
Horizontal	ns/div 2
Vertical	860V - ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	41R - CH - 1/10 A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+ve) mV/div 1
Horizontal	ns/div 2
Vertical	860V - ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



Date	6-6-85
Test Point	41-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100M) mV/div 1
Horizontal	50 ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	100%



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 41-CH-1/10-B

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V (1000V) mV/div 1

Horizontal ns/div 2

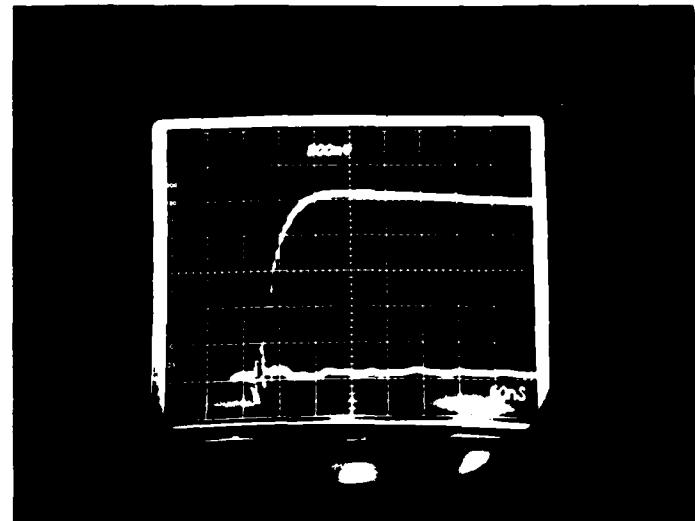
Vertical 860V ns/div 2

Configuration

Pulser Level + 4500V

Data Link

Comments: 746



946

Date 6-6-85

Test Point 41R-CH-1/10-B

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V (1000V) mV/div 1

Horizontal ns/div 2

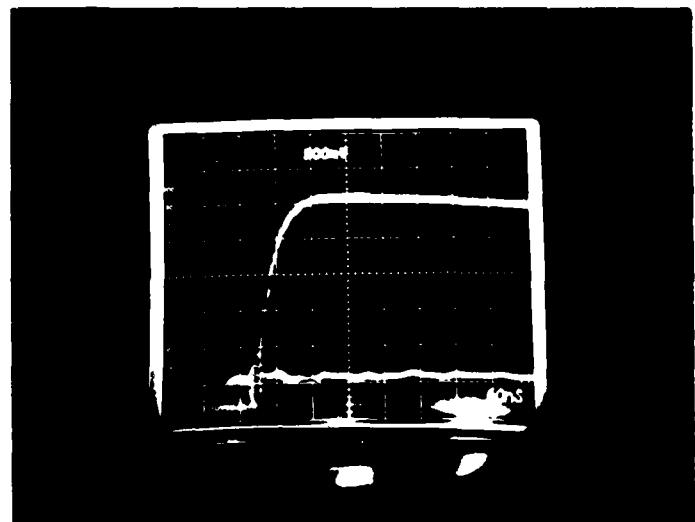
Vertical 860V ns/div 2

Configuration

Pulser Level - 4500V

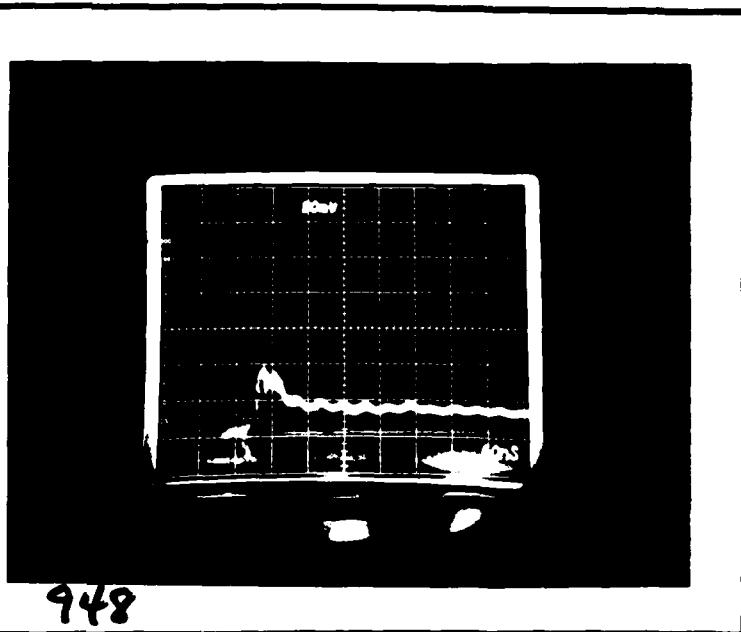
Data Link

Comments: 747



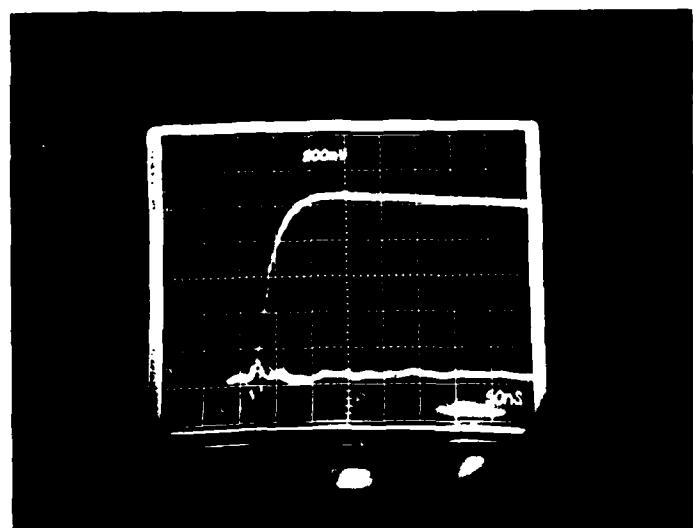
947

Date	6-6-85
Test Point	41-CH-1ro-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (+50V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	7412



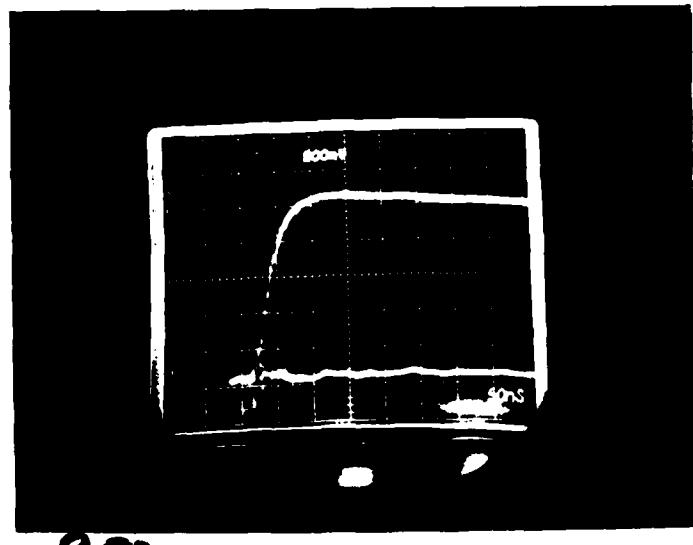
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	41-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	949



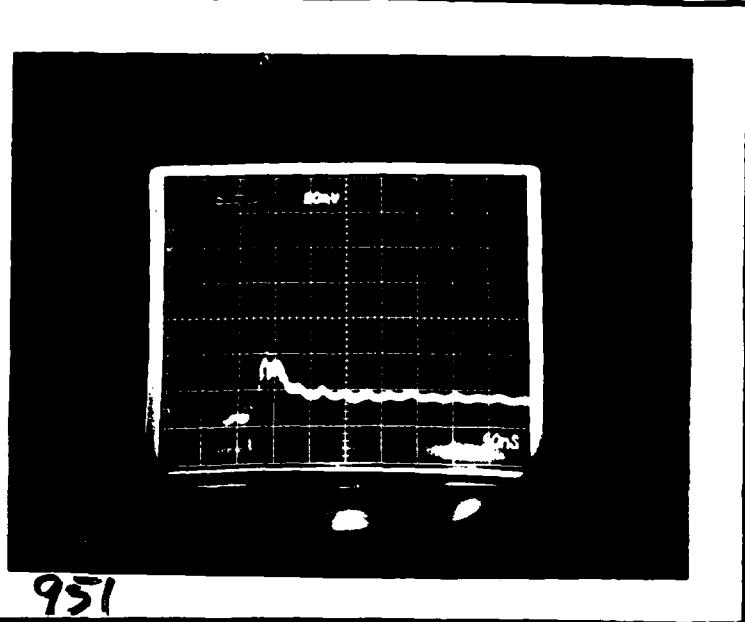
949

Date	6-6-85
Test Point	41R-CH-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	950



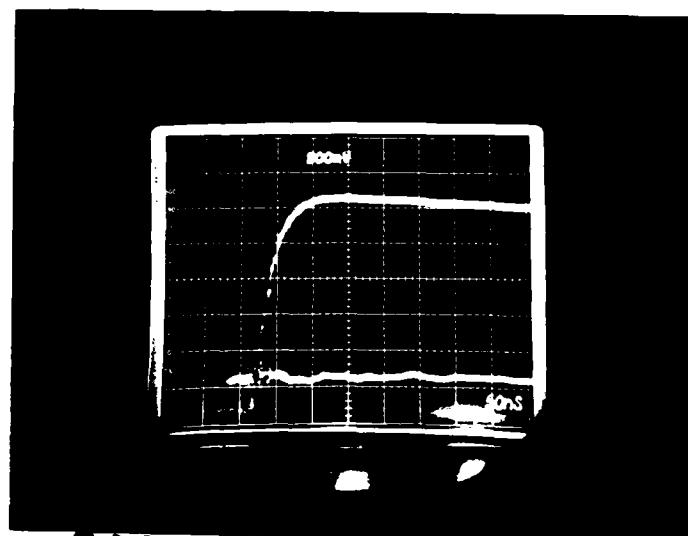
950

Date	6-6-85
Test Point	41-Cff-1/10-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	951

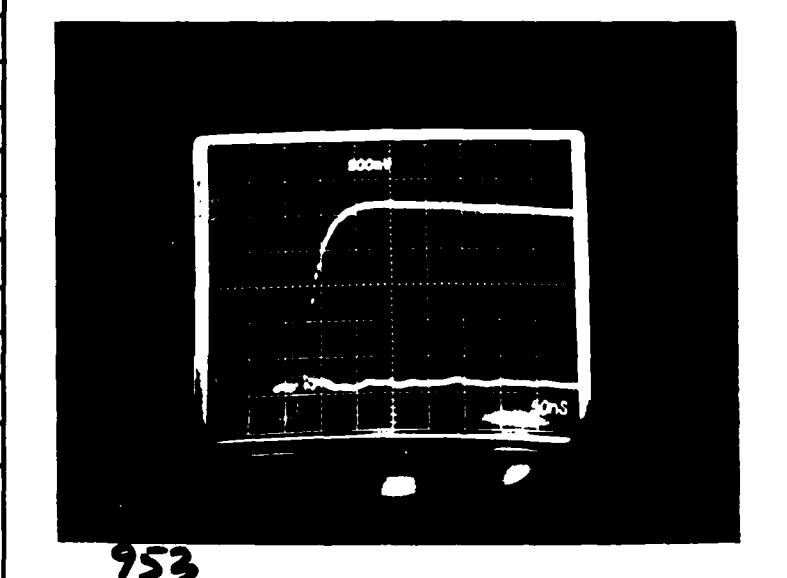


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

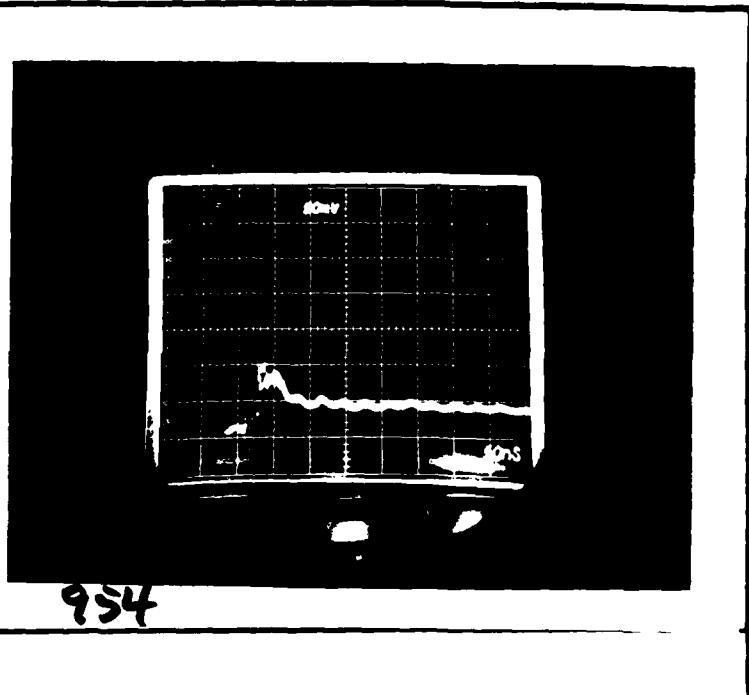
Date	6-6-85
Test Point	41-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (±600V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	75%



Date	6-6-85
Test Point	41R-CH-1/10-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (±600V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

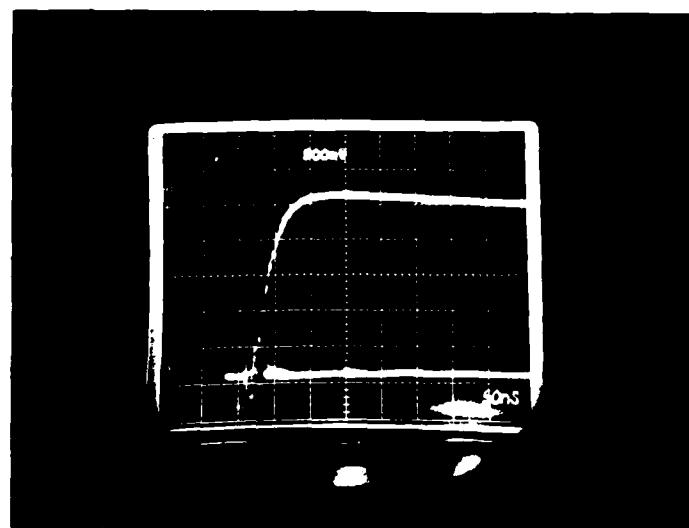


Date	6-6-85
Test Point	41-CH-410-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (±00V) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	954

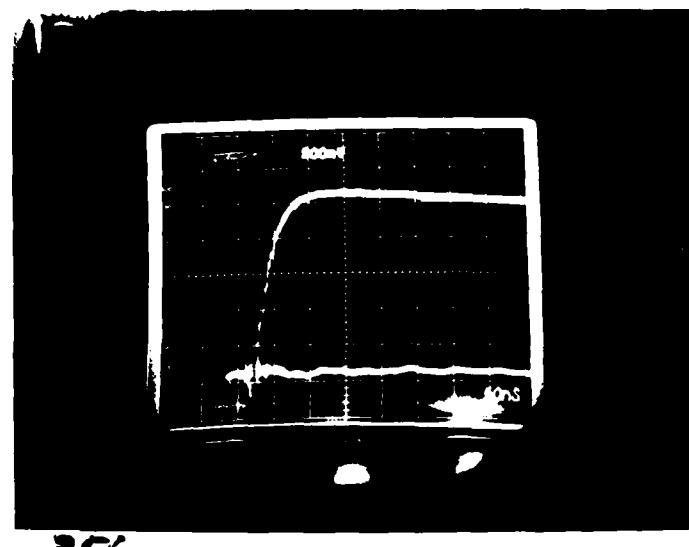


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-6-85
Test Point	41-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (4500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	955



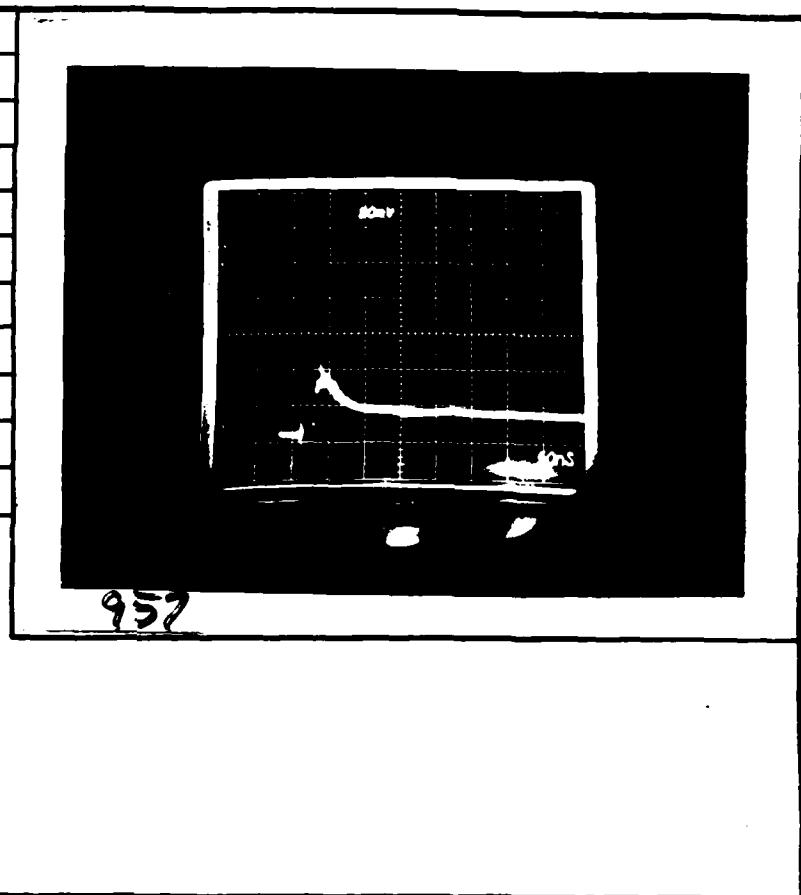
Date	6-6-85
Test Point	41R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (4500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	9 -



Date	6-6-85
Test Point	46-C4-110-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	8GV mV/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

Comments:

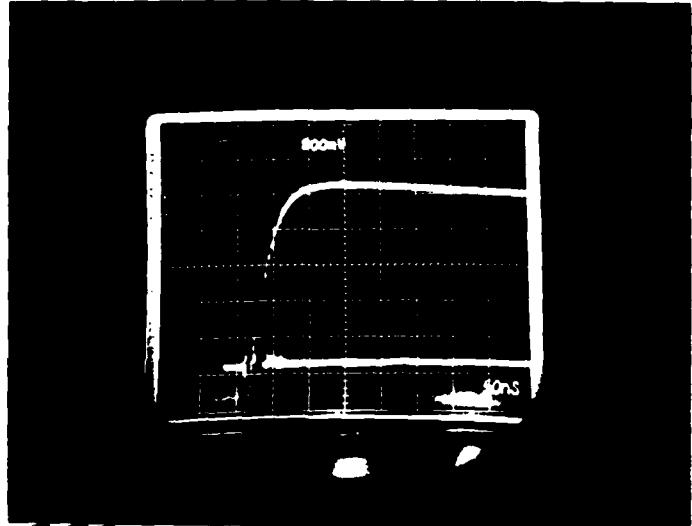
957



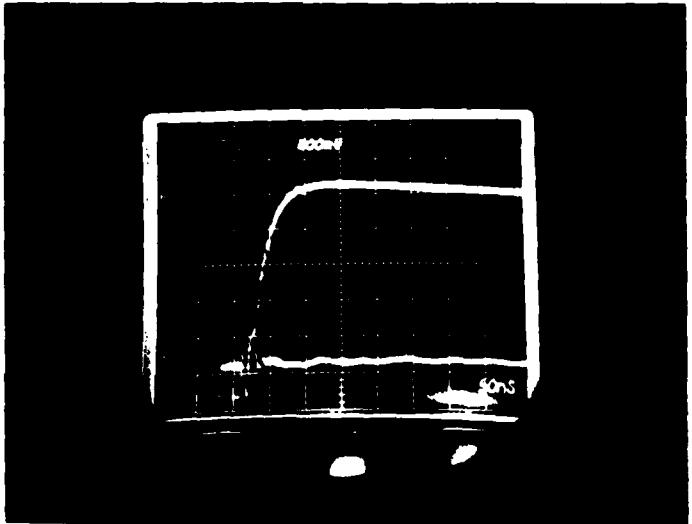
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Comments:

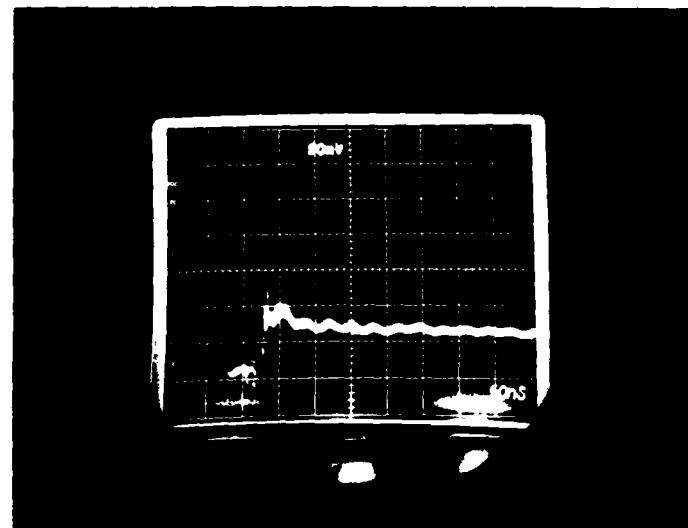
Date	6-6-85
Test Point	44-CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



Date	6-6-85
Test Point	44R-CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	- 4500 V
Data Link	
Comments:	

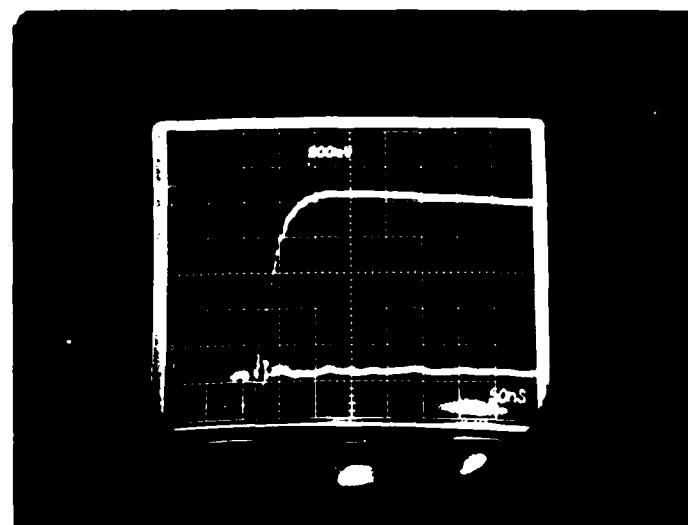


Date	6-6-85
Test Point	44-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (±10V) mV/div 1
Horizontal	ns/div 2
Vertical	.05V mV/div 2
Configuration	
Pulse Level	+ 4500V
Data Link	
Comments:	26



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	
Data Link	
Comments:	

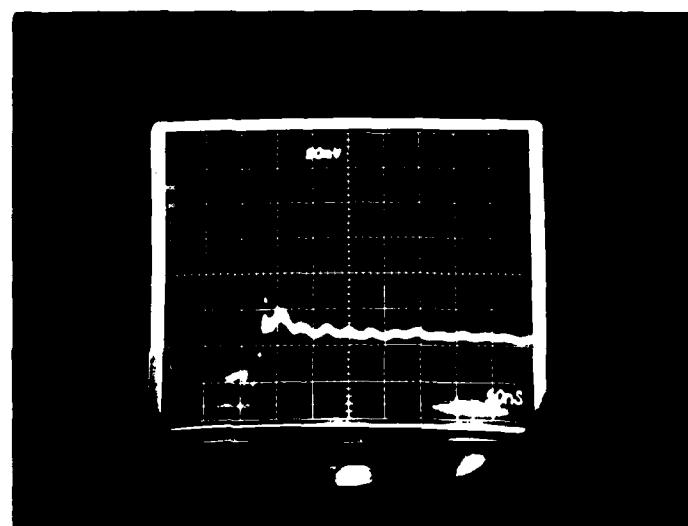
Date	6-6-85
Test Point	44-CH-1/20-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (4500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	961



Date	6-6-85
Test Point	44R-CH-1/20-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (4500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	962



Date	6-6-85
Test Point	44-CH-110-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (+ve)
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



963

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date 6-6-85

Test Point 44-CH-1/10-C

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(±500mV) mV/div 1

Horizontal ns/div 2

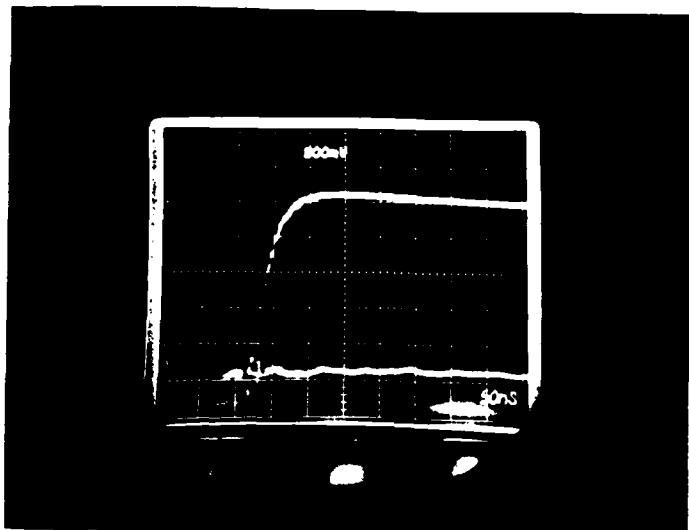
Vertical 860V mV/div 2

Configuration

Pulser Level +4500V

Data Link

Comments:



964

Date 6-6-85

Test Point 44R-CH-1/10-C

Amplification 0 dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(±500mV) mV/div 1

Horizontal ns/div 2

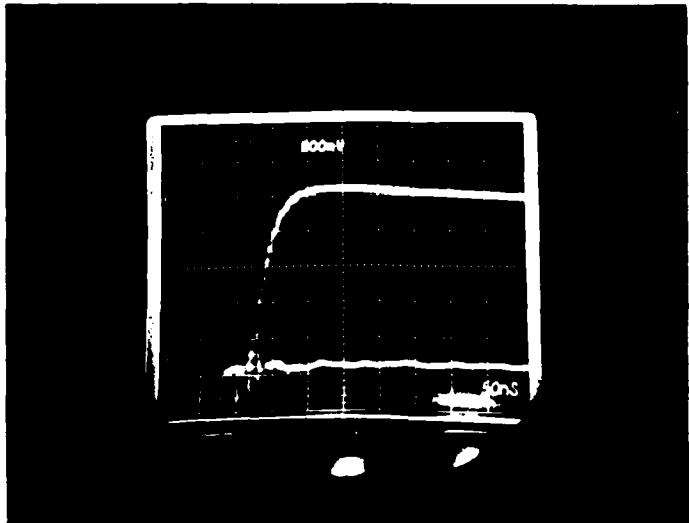
Vertical 860V mV/div 2

Configuration

Pulser Level -4500V

Data Link

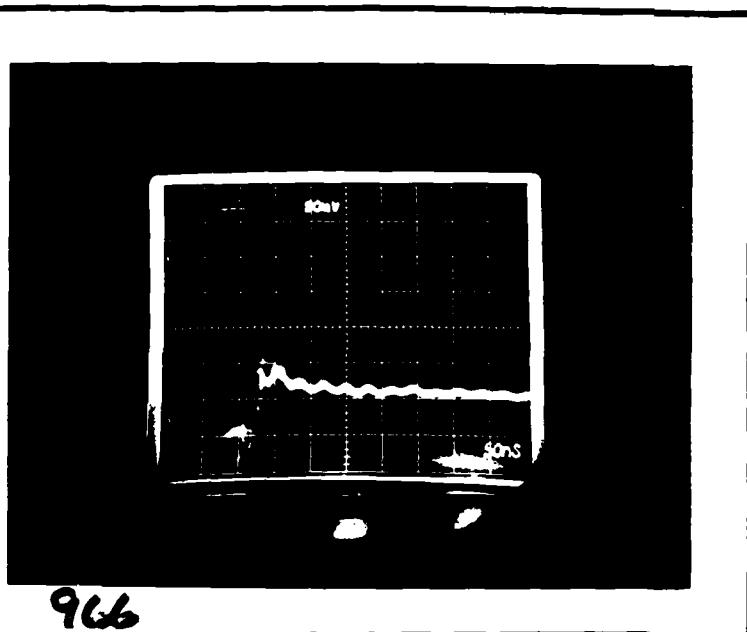
Comments:



965

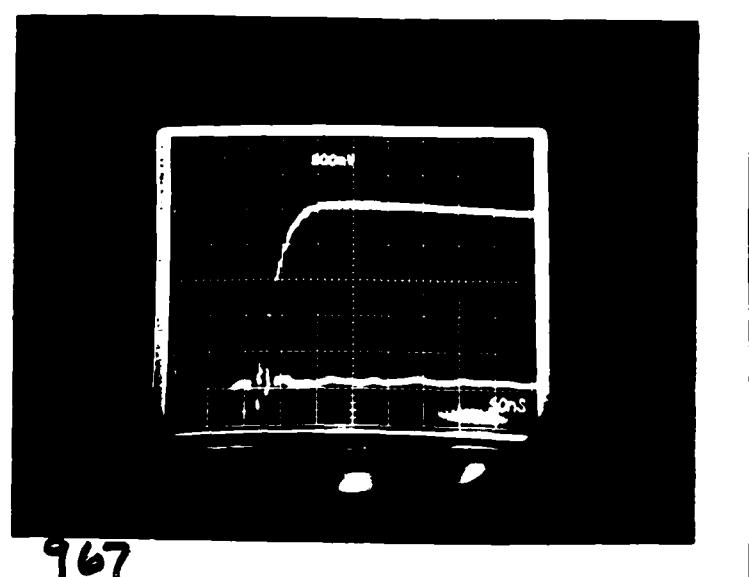
Date	6-6-85
Test Point	44-CH-720-C
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (400V) mV/div 1
Horizontal	ns/div 2
Vertical	86V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

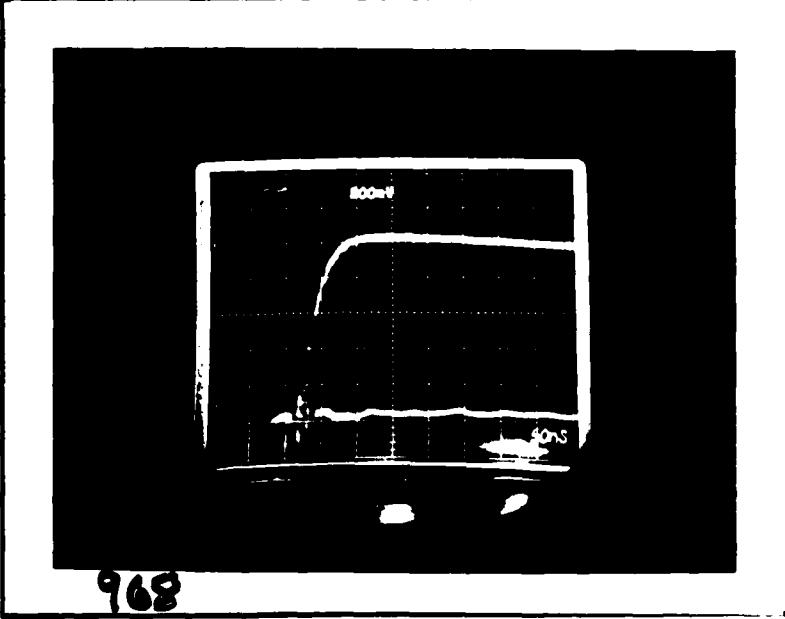


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

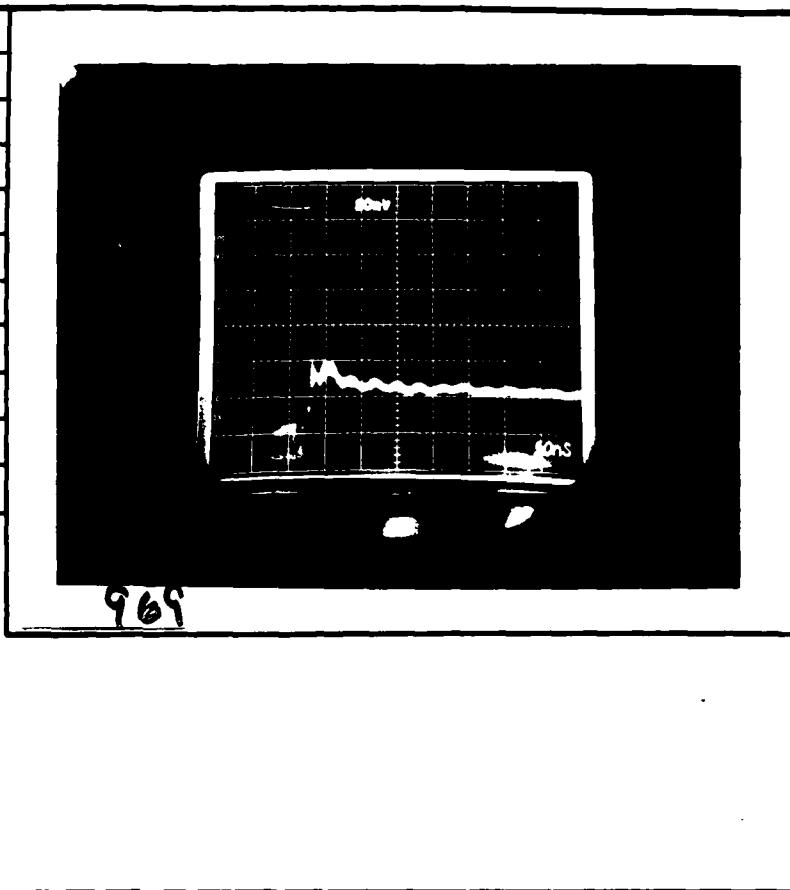
Date	6-6-85
Test Point	44-CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



Date	6-6-85
Test Point	44R-CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	(+) 4500V
Data Link	
Comments:	

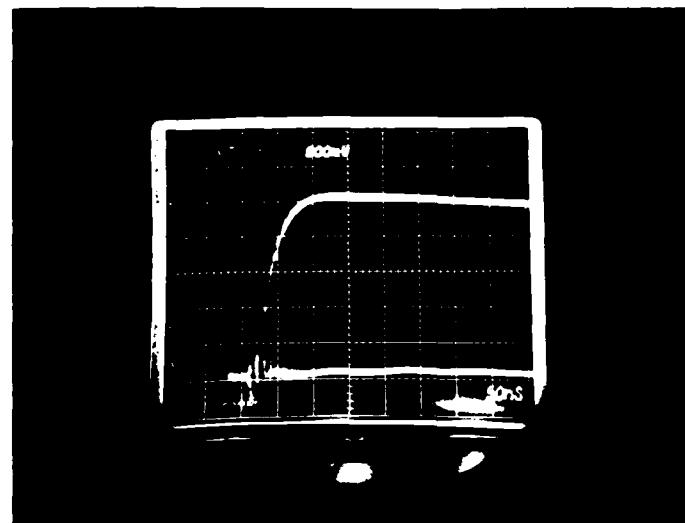


Date	6-6-85
Test Point	44 - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (top+) mV/div 1
Horizontal	ns/div 2
Vertical	86mV ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



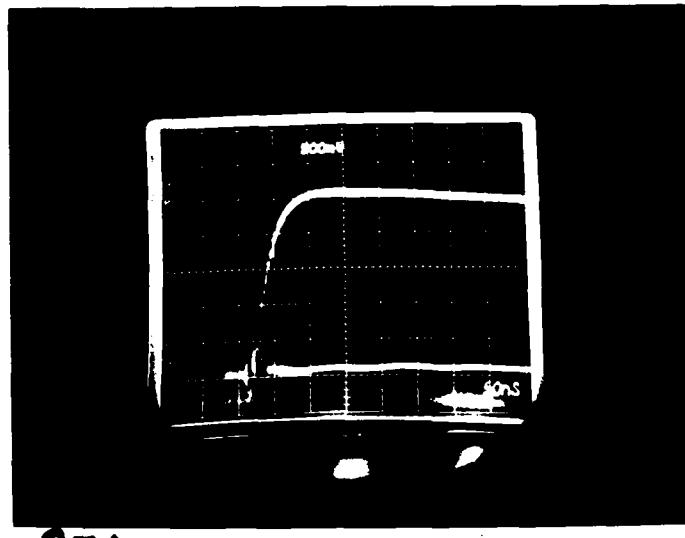
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-
Data Link	
Comments:	

Date	6-6-85
Test Point	44-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	970



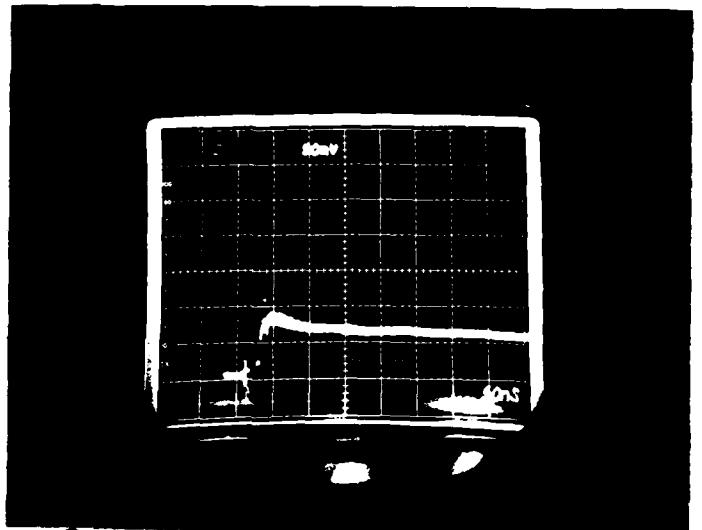
970

Date	6-6-85
Test Point	44R-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (+500V) mV/div 1
Horizontal	ns/div 2
Vertical	860V mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	971



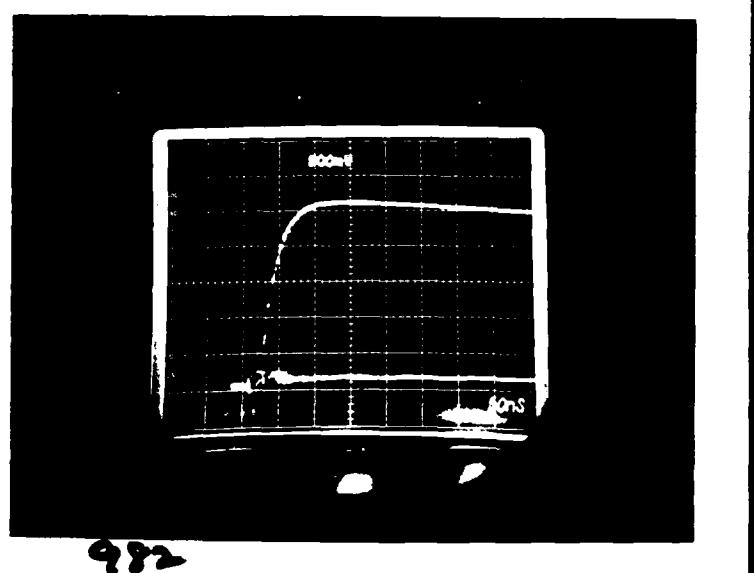
971

Date	6-6-85
Test Point	44-CH-1/10-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (+0.04) mV/div 1
Horizontal	ns/div 2
Vertical	86V ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	972

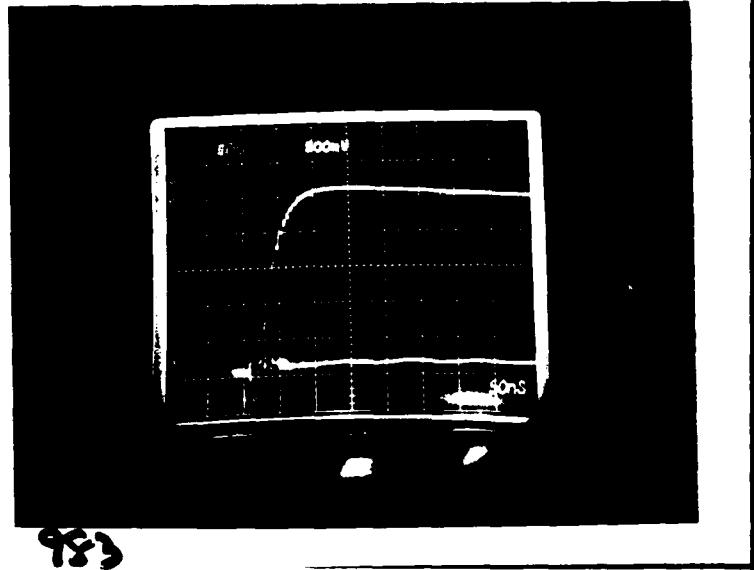


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

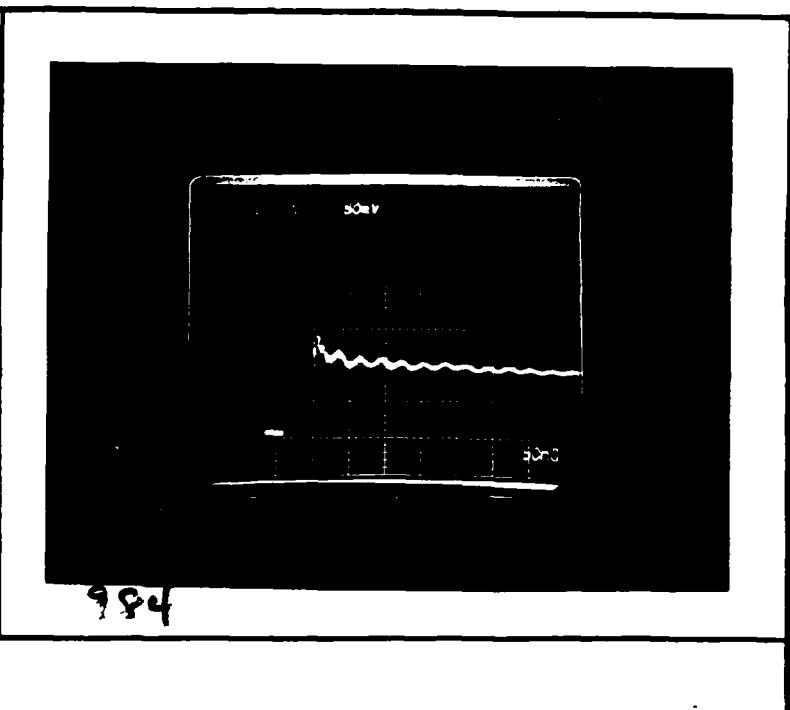
Date	6-7-85
Test Point	47 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V (860V) mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	982



Date	6-7-85
Test Point	47R - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V (860V) mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

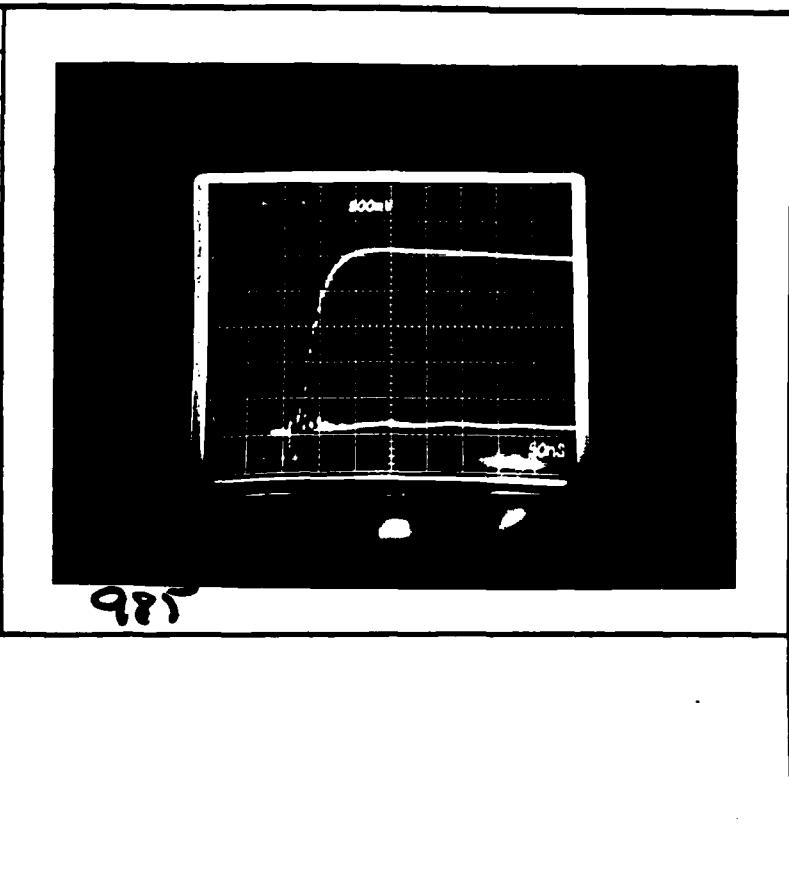


Date	6-7-85
Test Point	47-CH-1/10-A
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	.05V (86V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	984



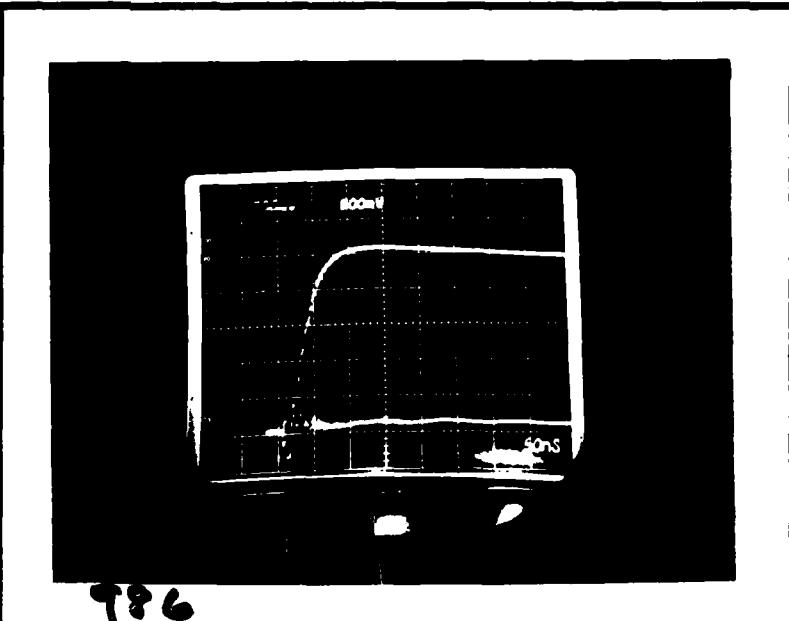
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	47- CH- Y10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(860V) mV/div 1
Horizontal	ns/div 2
Vertical	.5V(860V) mV/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



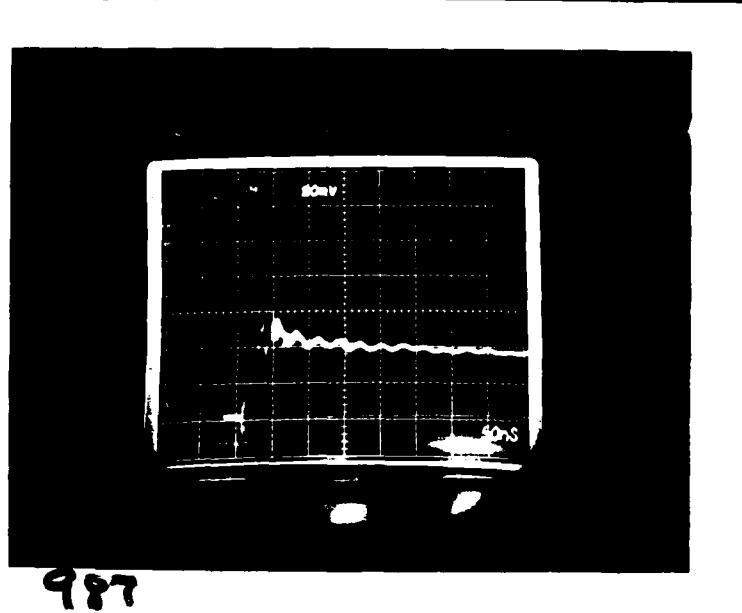
985

Date	6-7-85
Test Point	47R- CH- Y10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	.5V(860V) mV/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



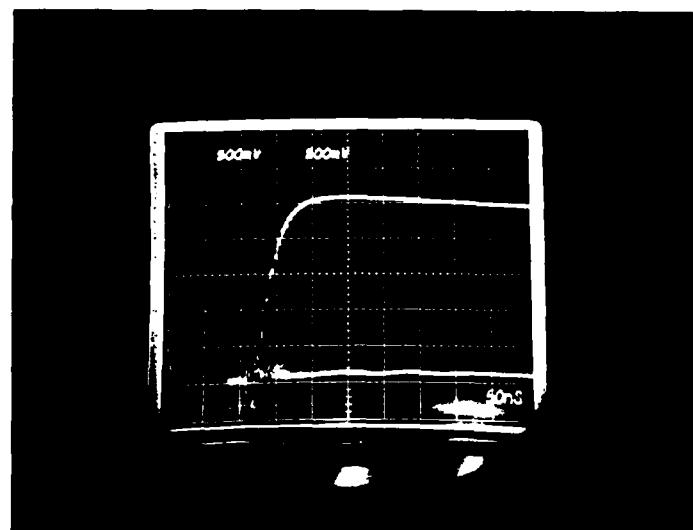
986

Date	6-7-85
Test Point	47-CH-YW-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	987

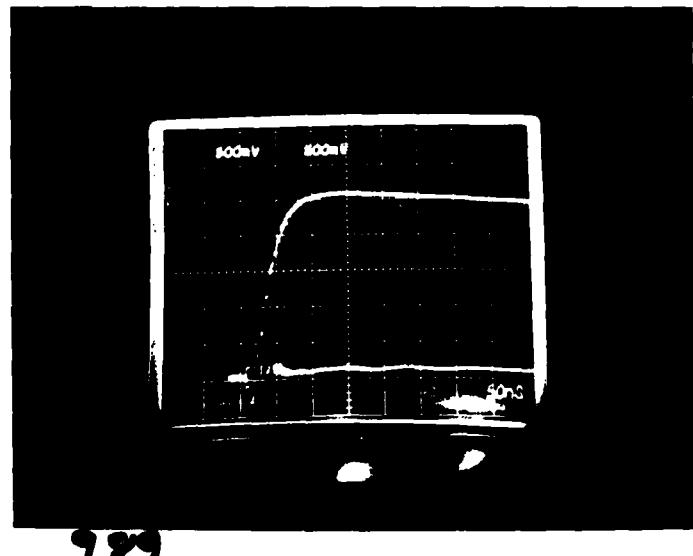


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	47-CH- $\frac{1}{10}$ -C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	7-23



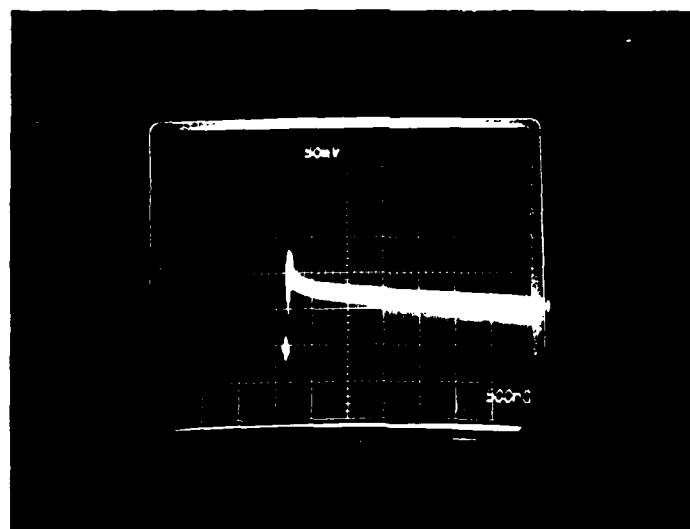
Date	6-7-85
Test Point	47R-CH- $\frac{1}{10}$ -C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	7-23



Date	6-7-85
Test Point	47-CH-1/10-c
Amplification	0 dB
Attenuation	20 dB
Horizontal	.5-1 SEC ns/div 1
Vertical	.05V(86V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

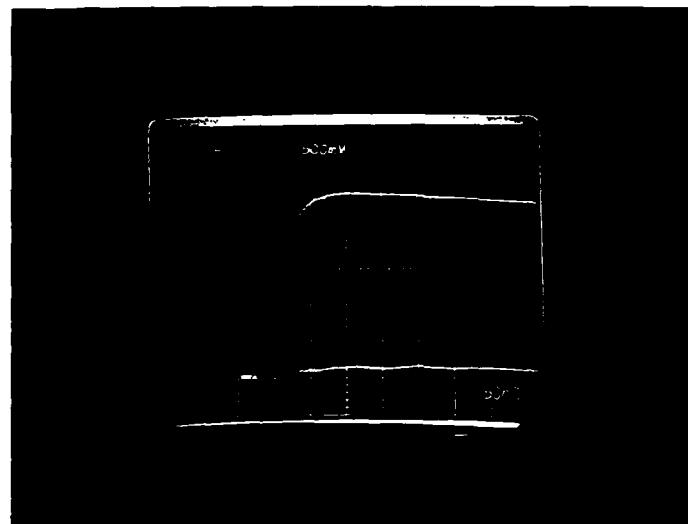
Comments:

770

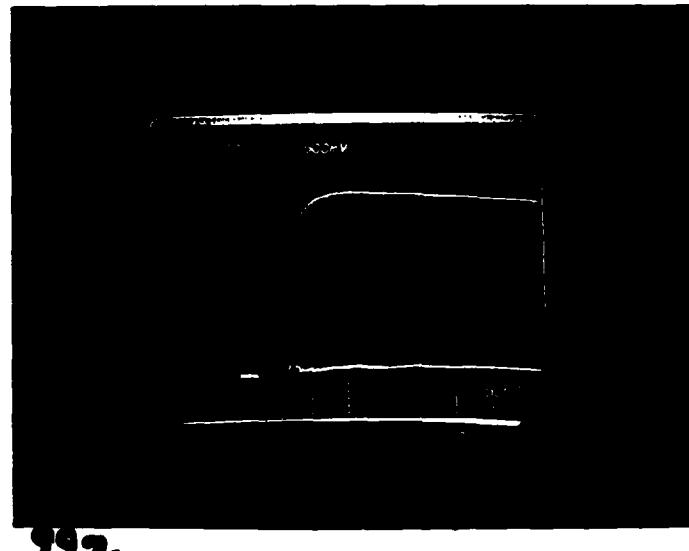


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

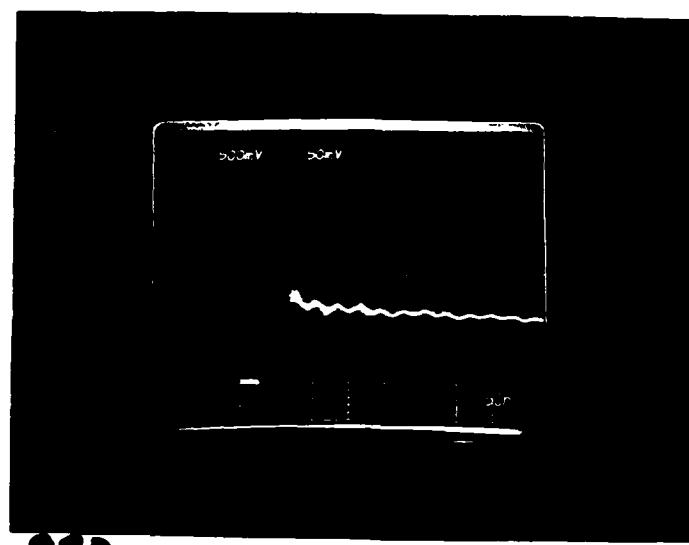
Date	6-7-85
Test Point	47 - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	



Date	6-7-85
Test Point	47R - CH - 1/10 - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



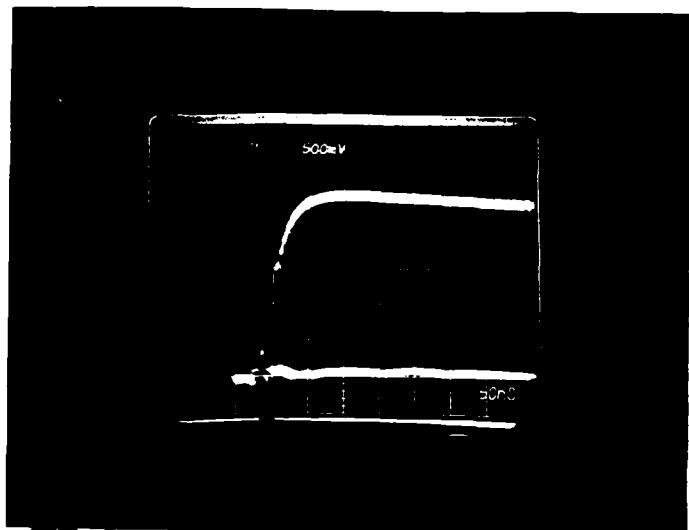
Date	6-7-85
Test Point	47-CH-1/0- D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(86V) ns/div 2
Configuration	
Pulser Level	4500 V
Data Link	
Comments:	773



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

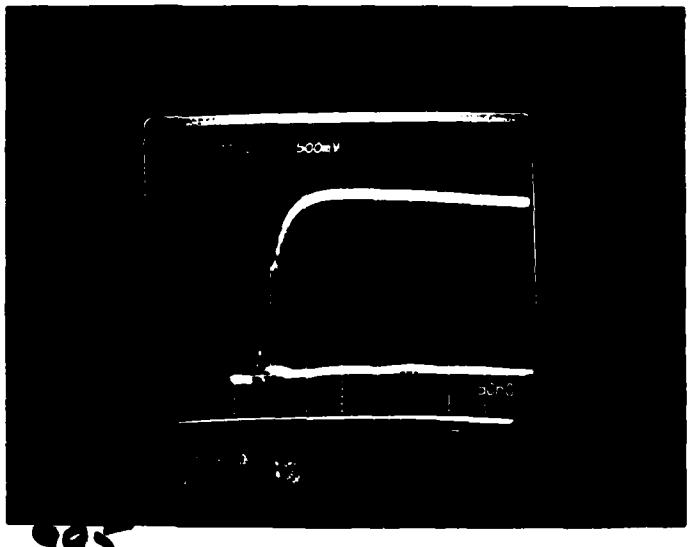
Date	6-7-85
Test Point	47 - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V (±50mV) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

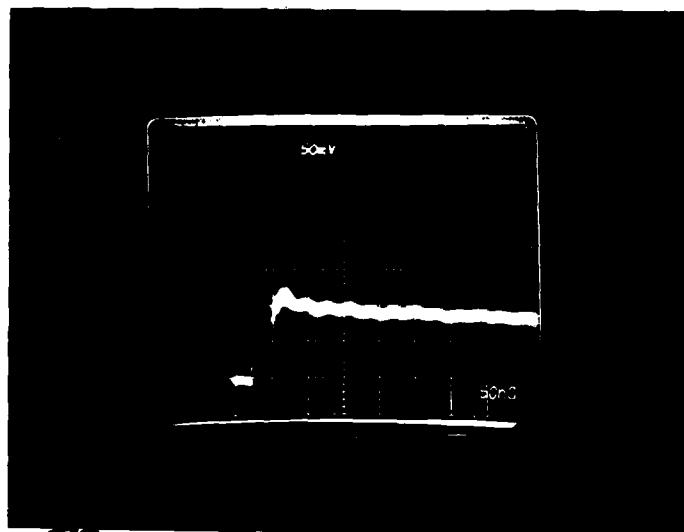


Date	6-7-85
Test Point	47R - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	,5V (±50mV) mV/div 1
Horizontal	ns/div 2
Vertical	(860V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

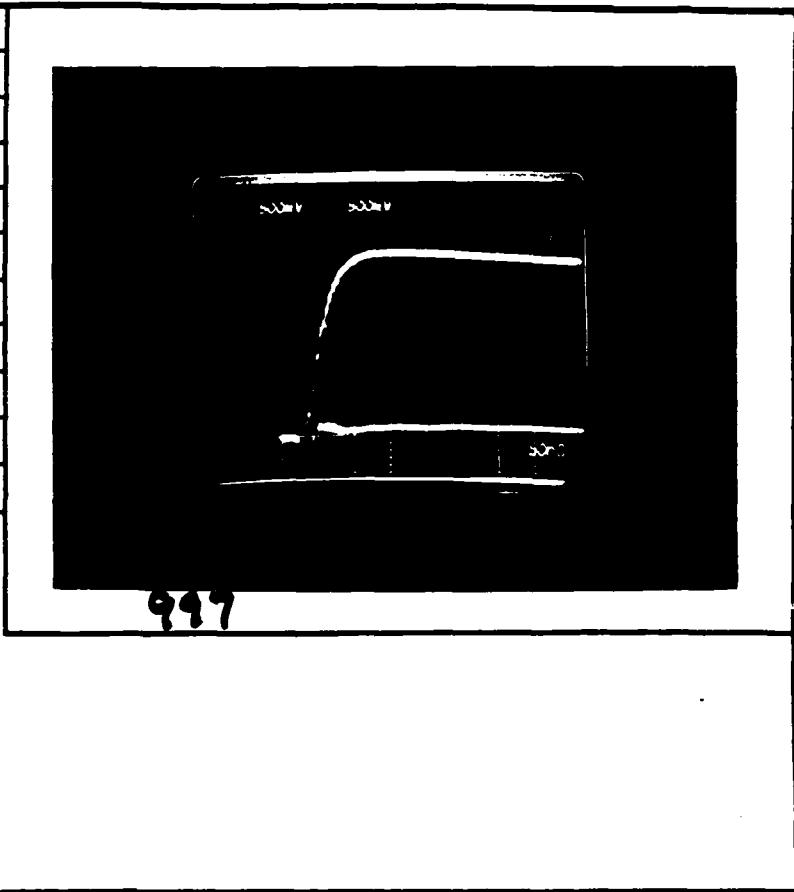


Date	6-7-85
Test Point	47-CH-410-E
Amplification	0 dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	-0.5V (top) mV/div 1
Horizontal	ns/div 2
Vertical	(86V) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	77

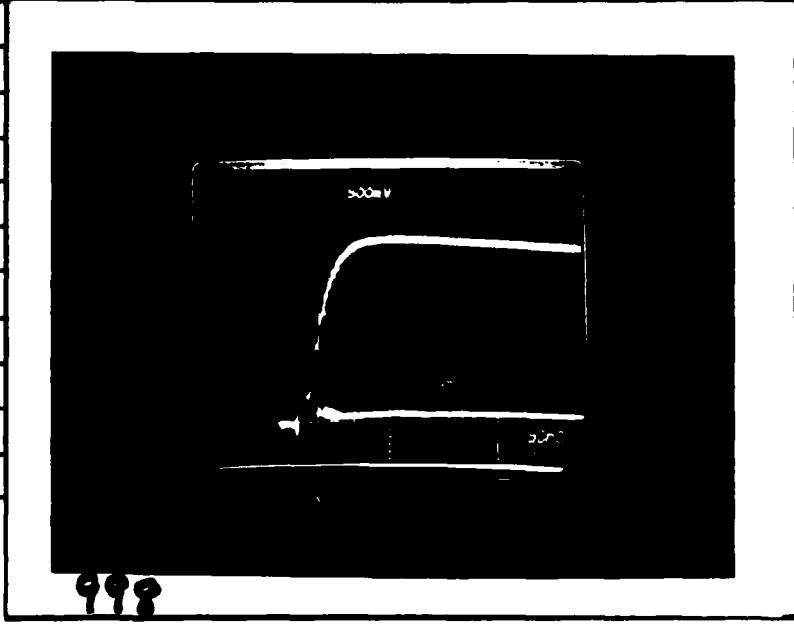


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

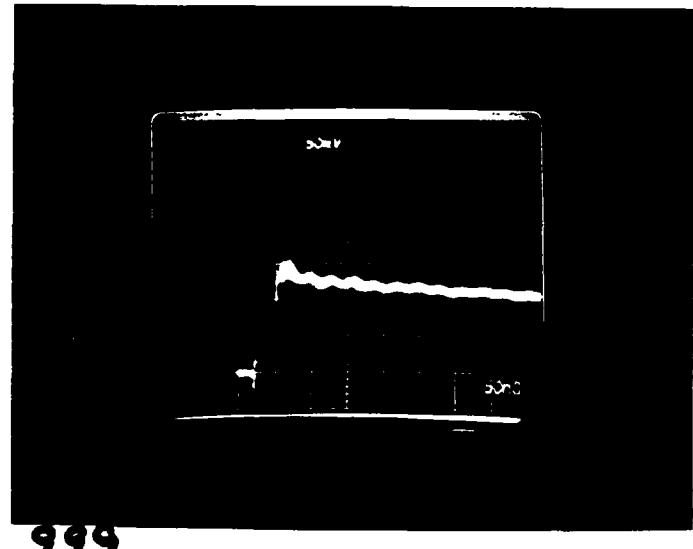
Date	6-7-85
Test Point	50 - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860) ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	PP17



Date	6-7-85
Test Point	50R - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(860V) ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	R2B

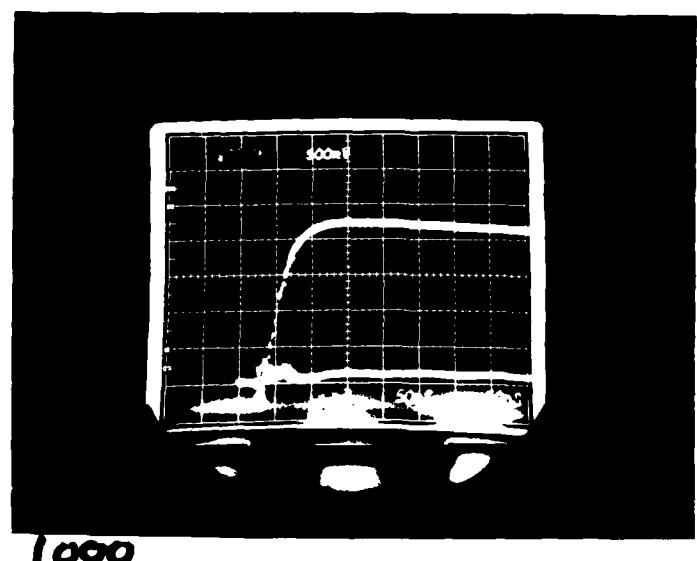


Date	6-7-85
Test Point	SD - CH - 1/10 - A
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	0.5V(100V) ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	777

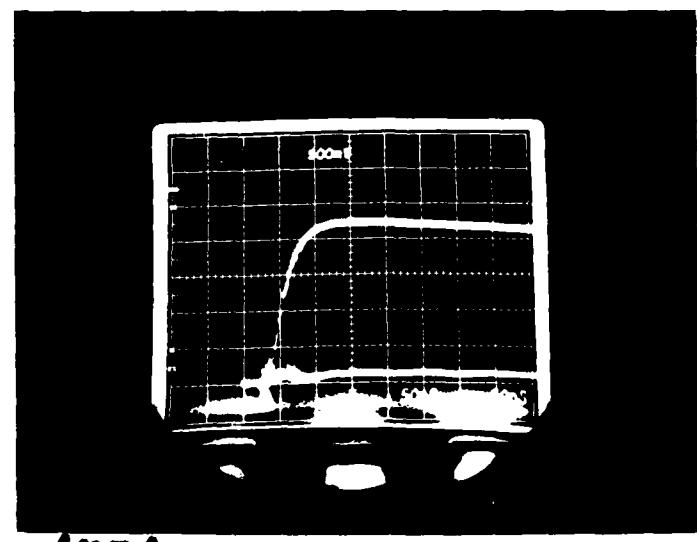


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

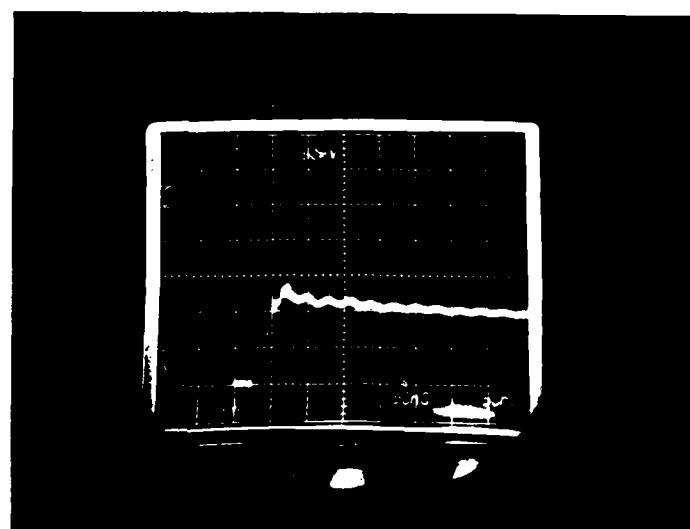
Date	6-7-85
Test Point	50-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



Date	6-7-85
Test Point	50R-CH-1/10-B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

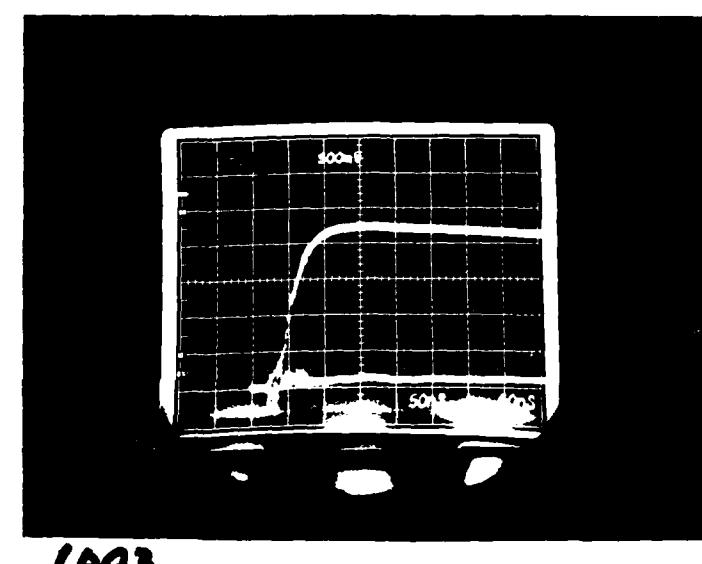


Date	6-7-85
Test Point	SD - CH - 1/10 - B
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	0.5V (100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1002

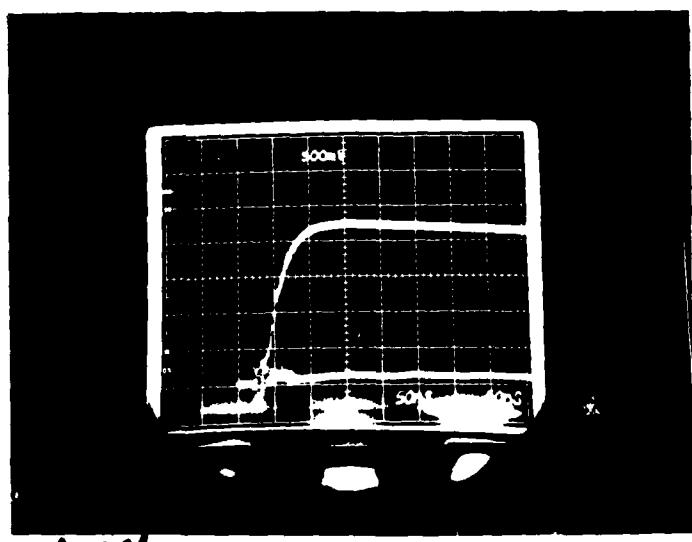


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50 - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1003



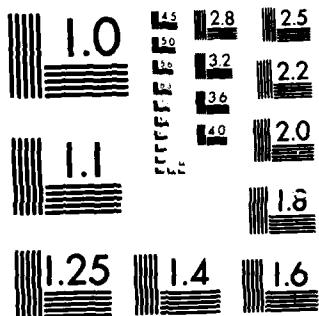
Date	6-7-85
Test Point	50R - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	~ 4500V
Data Link	
Comments:	1004



AD-A164 433 ELECTROMAGNETIC PULSE/TRANSIENT THREAT TESTING OF PROTECTION DEVICES FOR (U) ELECTROSPACER SYSTEMS INC 3/3
ARLINGTON VA D BODSON ET AL. 31 OCT 85
UNCLASSIFIED NCS-TIB-85-10-VOL-3-SEC-2 DCA100-85-C-0010 F/B 20/14 NL

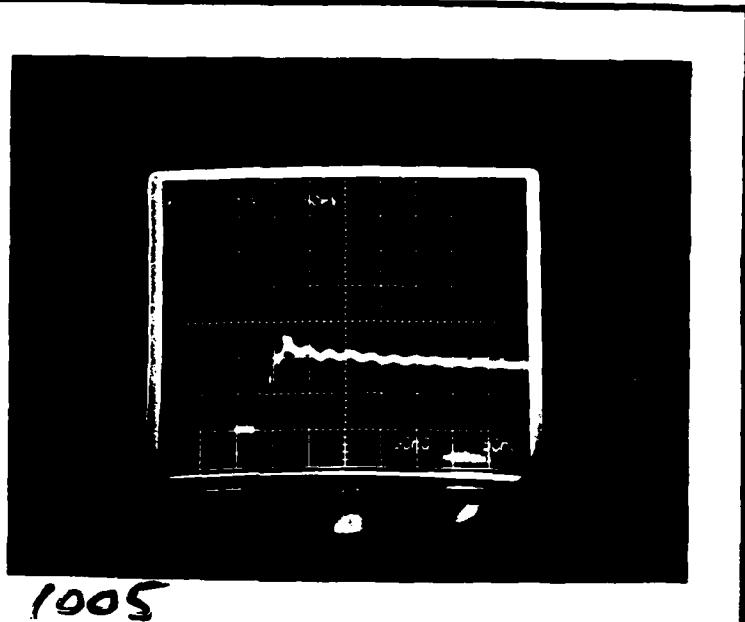
UNCLASSIFIED NCS-TIB-85-18-VOL-3-SEC-2 DCA188-85-C-0010 F/G 28/14 NL

A 10x10 grid of small white squares on a black background. The grid is composed of 100 individual squares arranged in a single row and column.



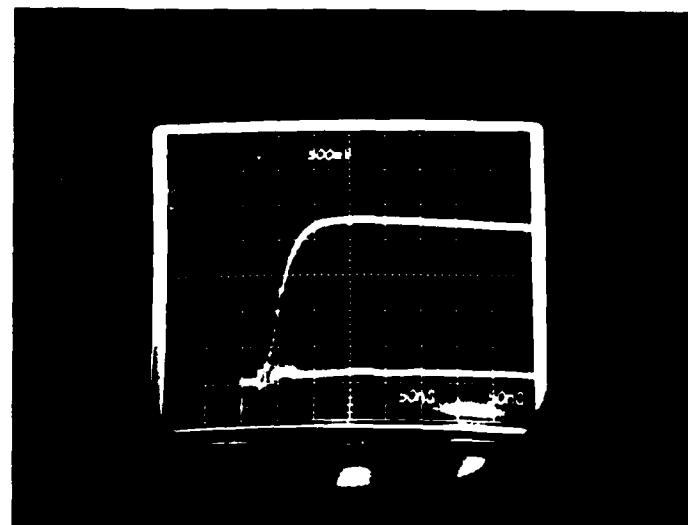
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

Date	6-7-85
Test Point	50 - CH - 1/10 - C
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



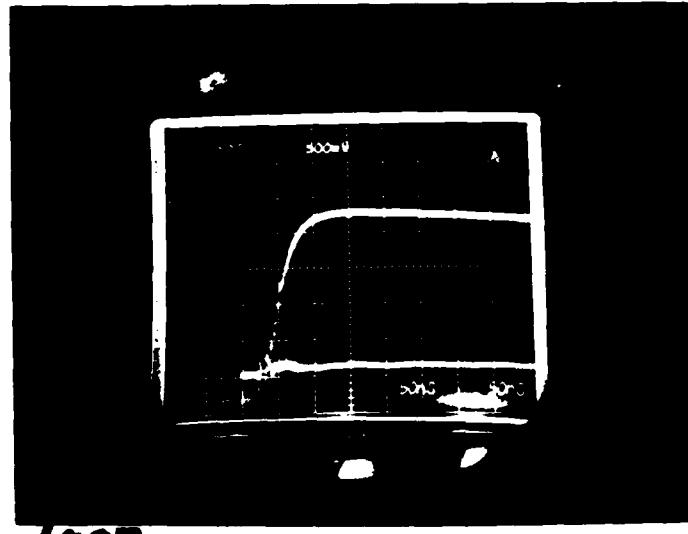
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	50-CH-4C0-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1006



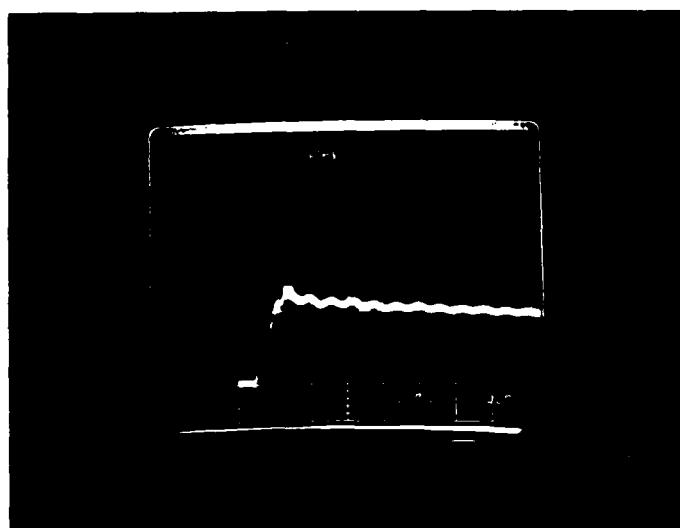
1006

Date	6-7-85
Test Point	50R-CH-1C0-D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1007



1007

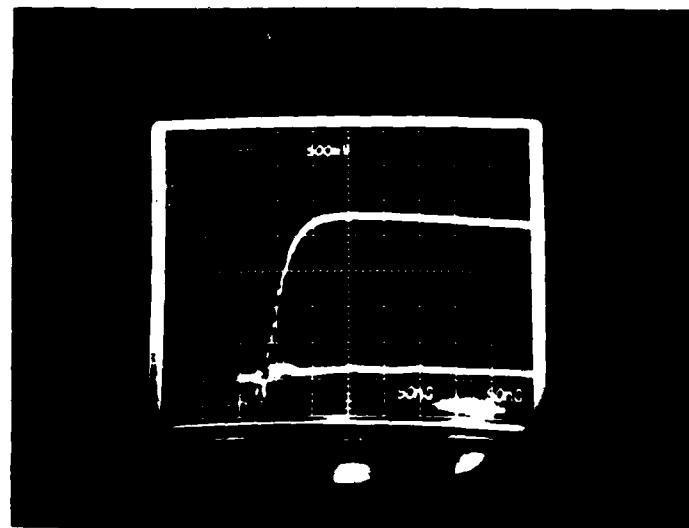
Date	6-7-85
Test Point	50-CH-1/rb - D
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	0.5V(100V) ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



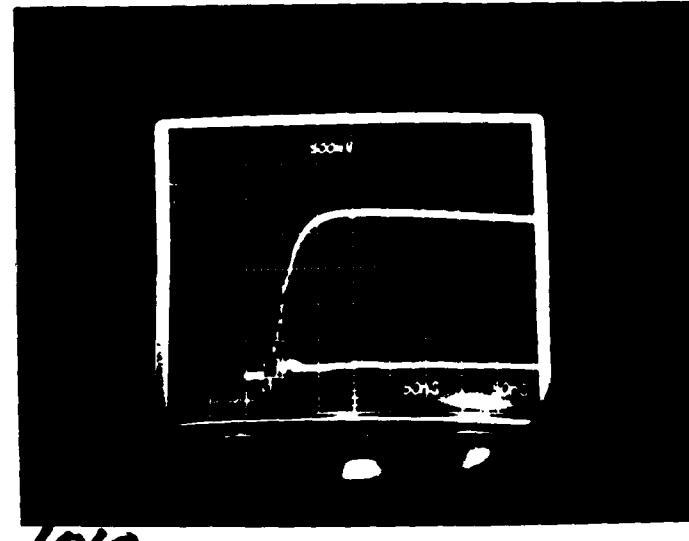
1008

Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

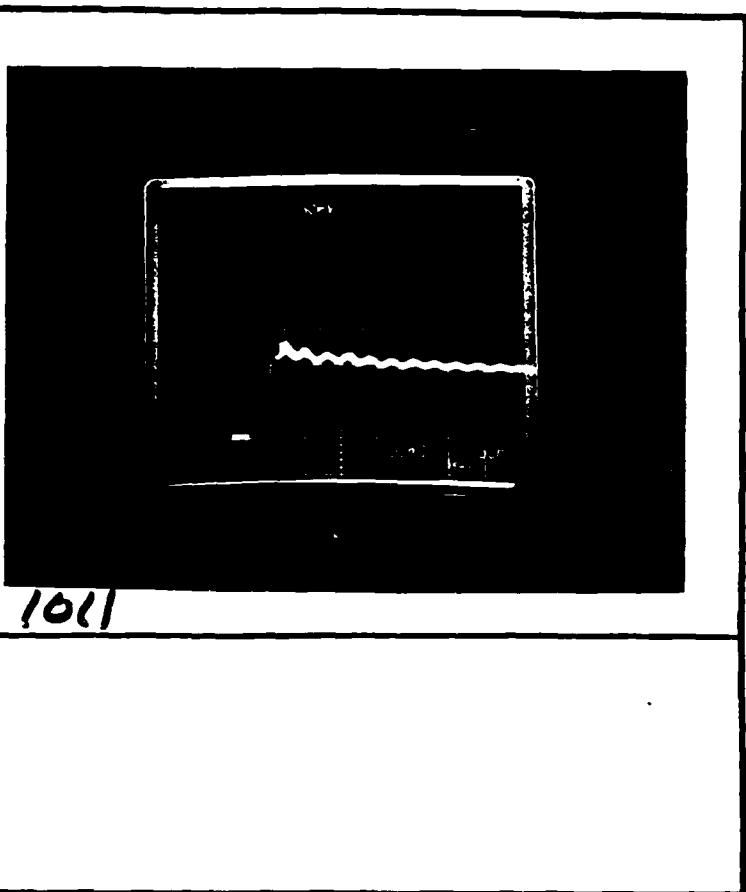
Date	6-7-85
Test Point	50 - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) mV/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	1009



Date	6-7-85
Test Point	50R - CH - 1/10 - E
Amplification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.5V(1000V) mV/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	1010

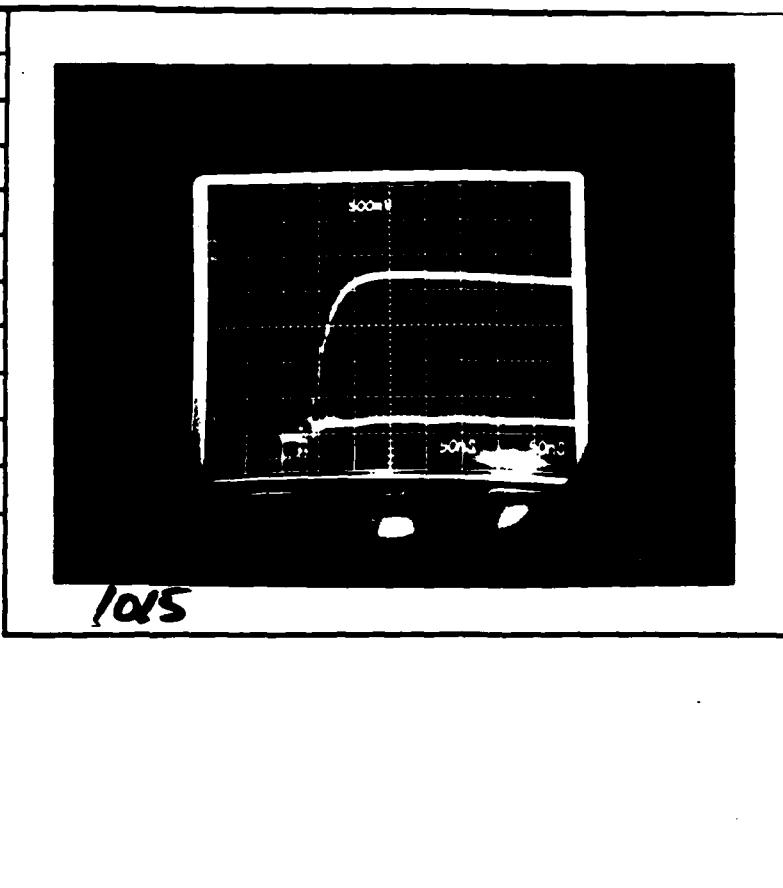


Date	6-7-85
Test Point	50 - CH - 1/10 - E
Ampification	0 dB
Attenuation	20 dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	50 ns/div 2
Vertical	.05V(100V)ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1011

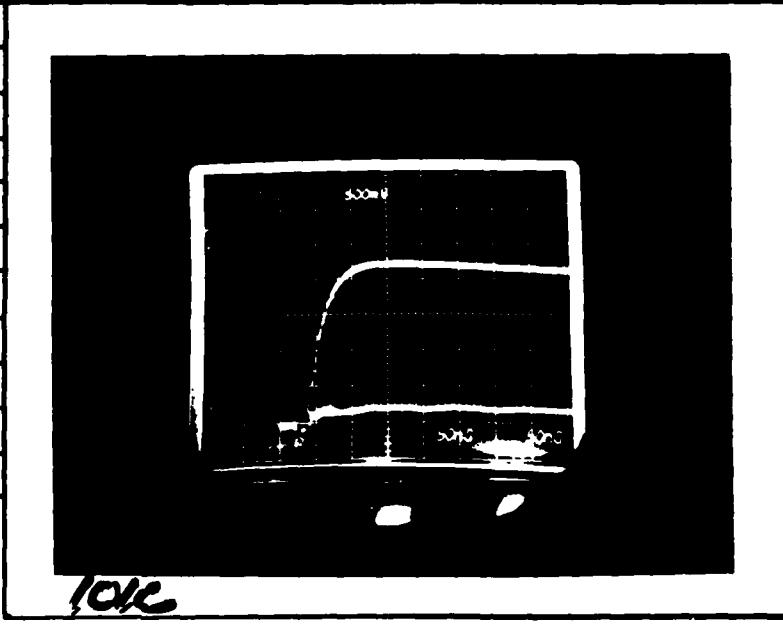


Date	
Test Point	
Ampification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

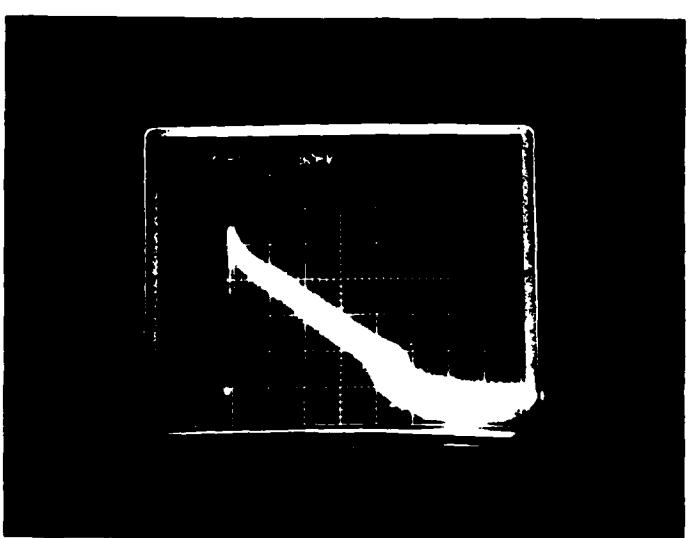
Date	6 7-85
Test Point	53-CH-410-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



Date	6 - 7- 85
Test Point	53R-CH-410-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

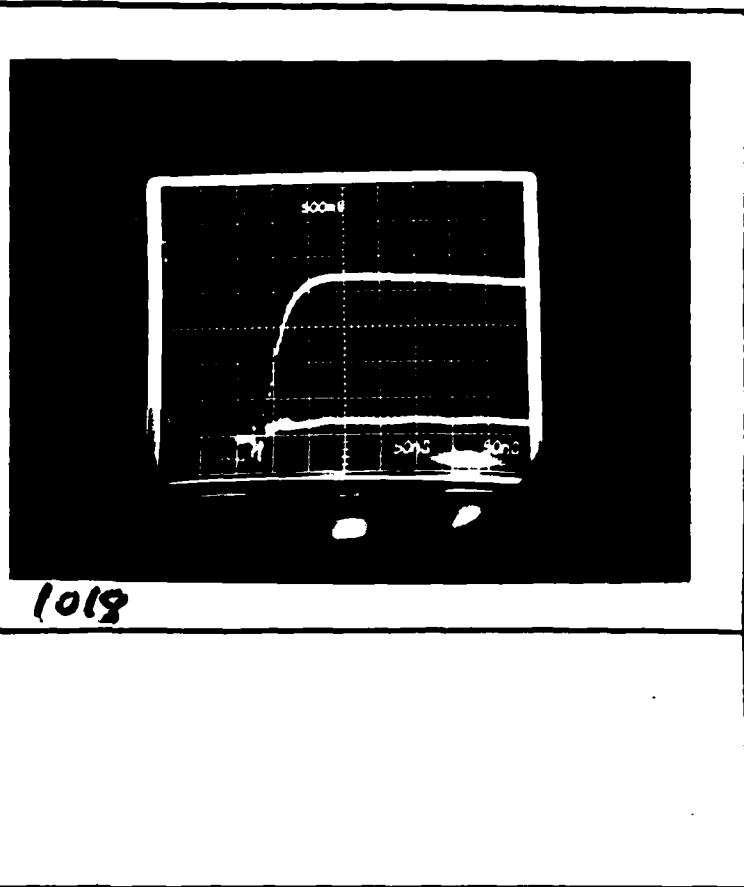


Date	6-7-85
Test Point	53 - CH- 1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	2 μSEC ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500 V
Data Link	
Comments:	

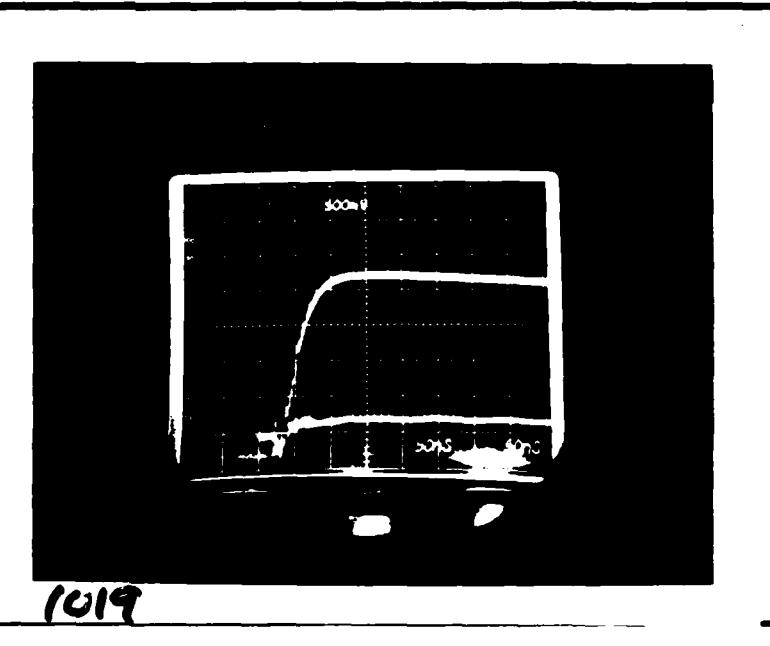


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

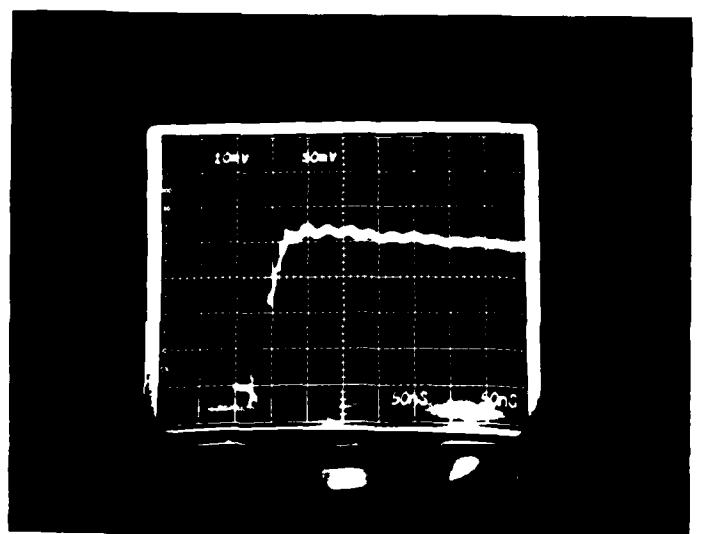
Date	6-7-85
Test Point	53-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	/ : -3



Date	6-7-85
Test Point	53R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



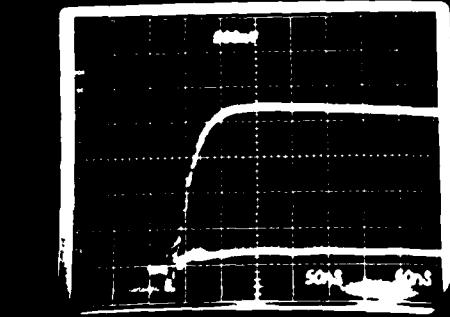
Date	6-7-85
Test Point	53-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	



50 Nsec

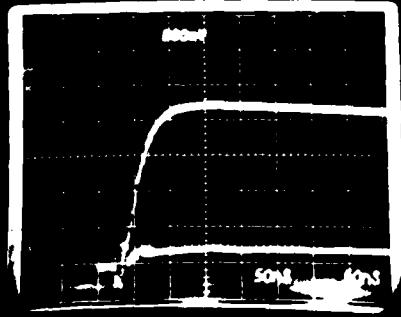
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	53-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1021



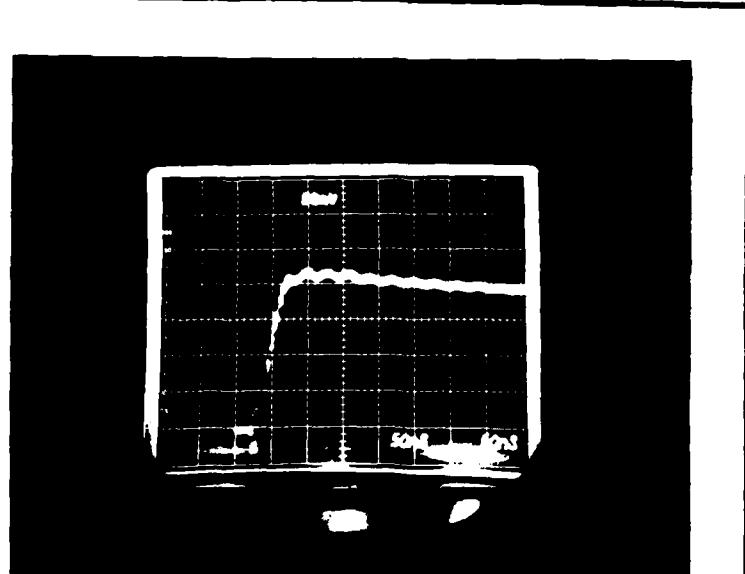
(021)

Date	6-7-85
Test Point	53R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1022



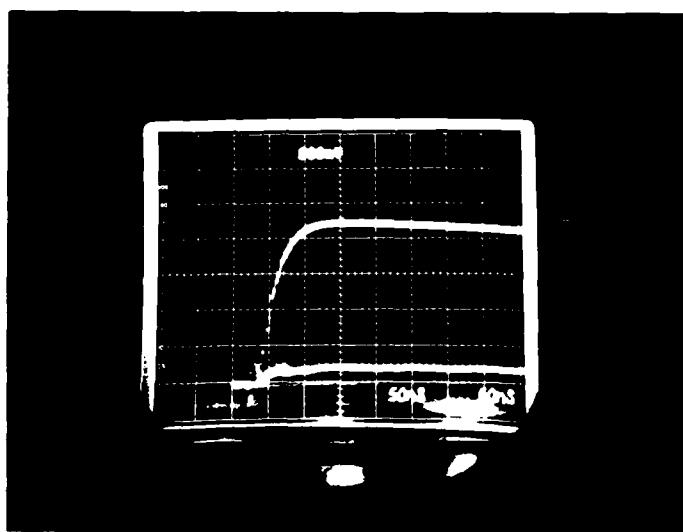
(022)

Date	6-7-85
Test Point	53-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

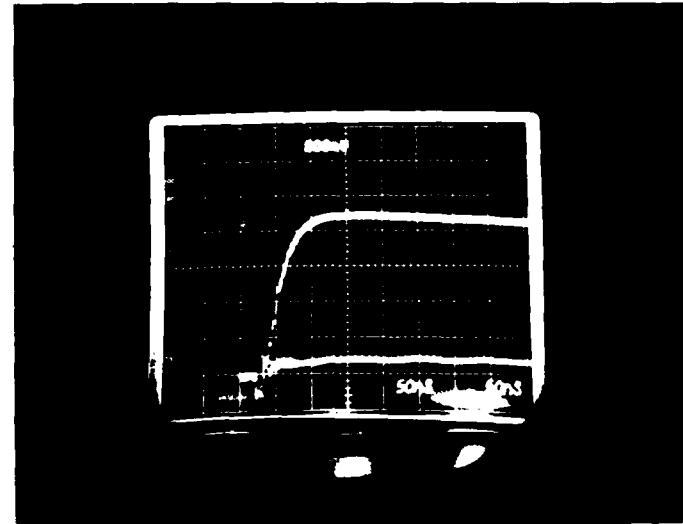


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

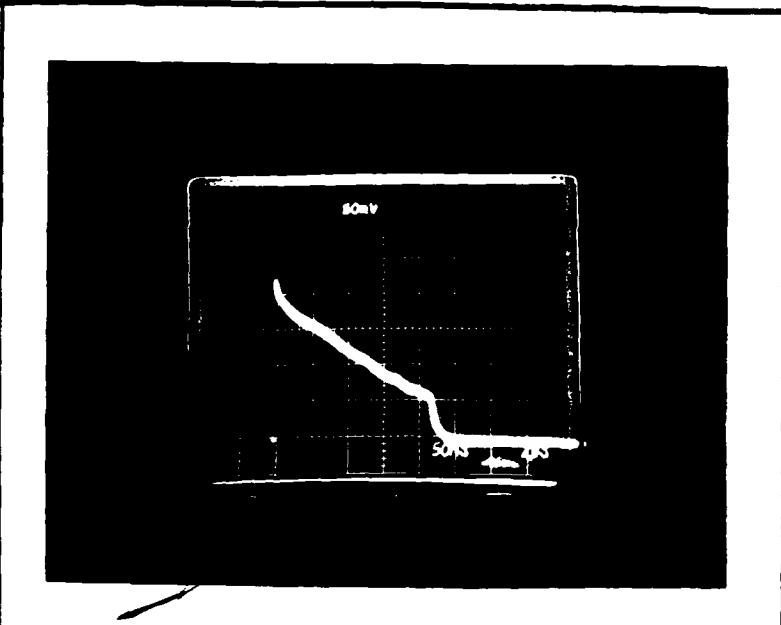
Date	6-7-85
Test Point	53-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	124



Date	6-7-85
Test Point	53R-CH-410-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	125



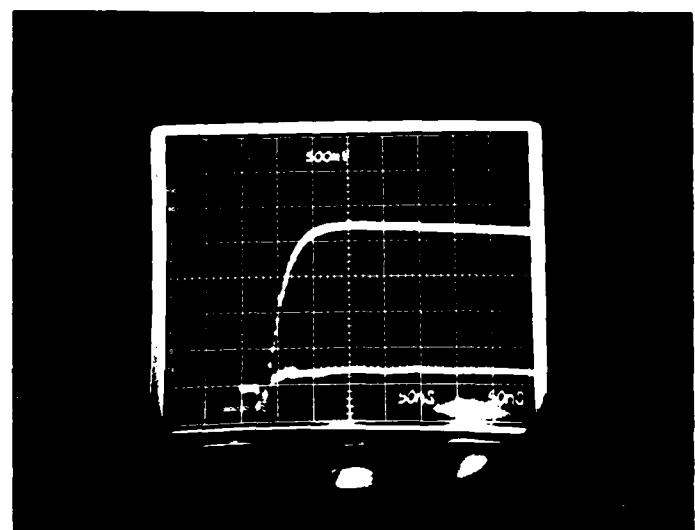
Date	6-7-85
Test Point	53-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	2 μsec/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	7-1-85



2 μsec

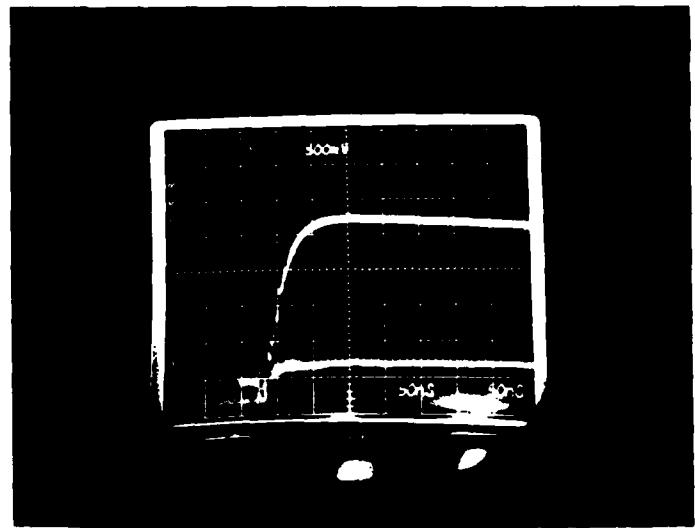
Data	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	<u>53-CH-Y10-E</u>
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



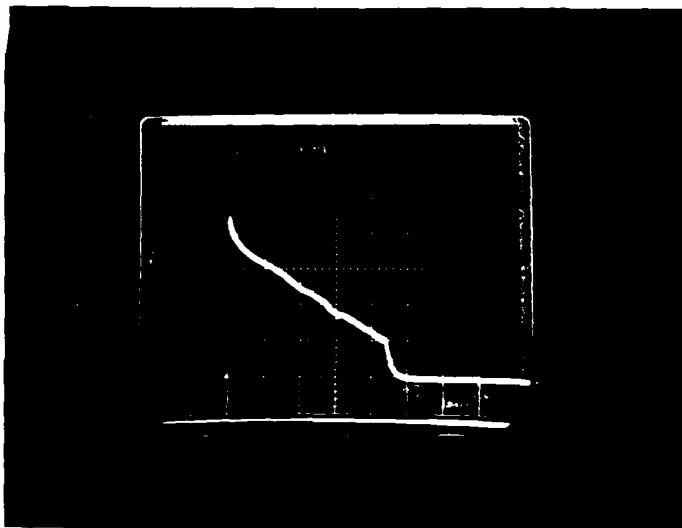
(012)

Date	6-7-85
Test Point	<u>53R-CH-Y10-E</u>
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



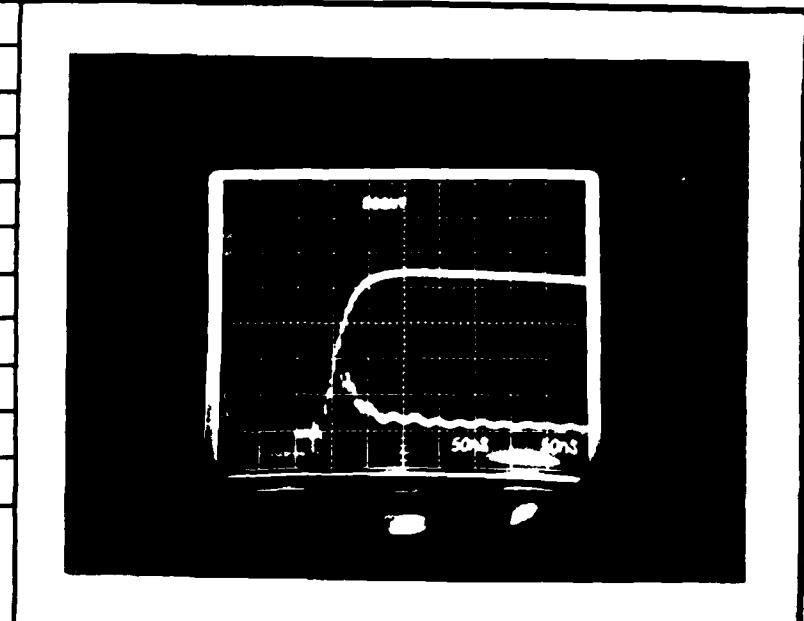
(013)

Date	6-7-85
Test Point	53-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	2 μsec ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	1017



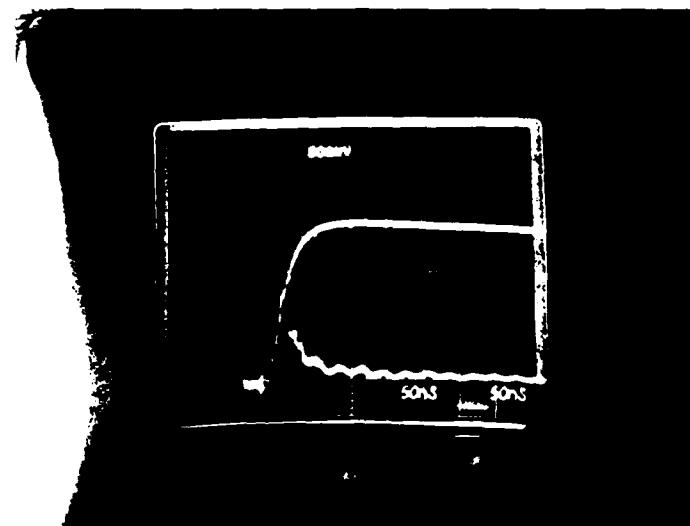
Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-7-85
Test Point	56-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05 (100 V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



REF @ .5V(1000V)/

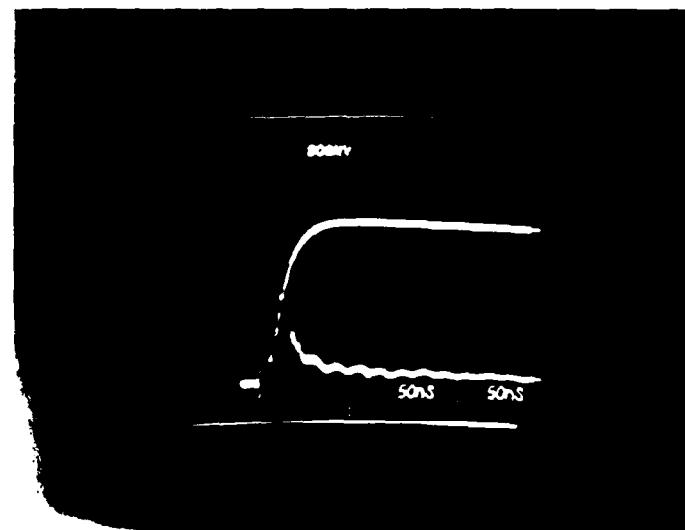
Date	6-7-85
Test Point	56R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.05V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



Ref @ .5V(1000V)

Date	6-7-85
Test Point	56-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

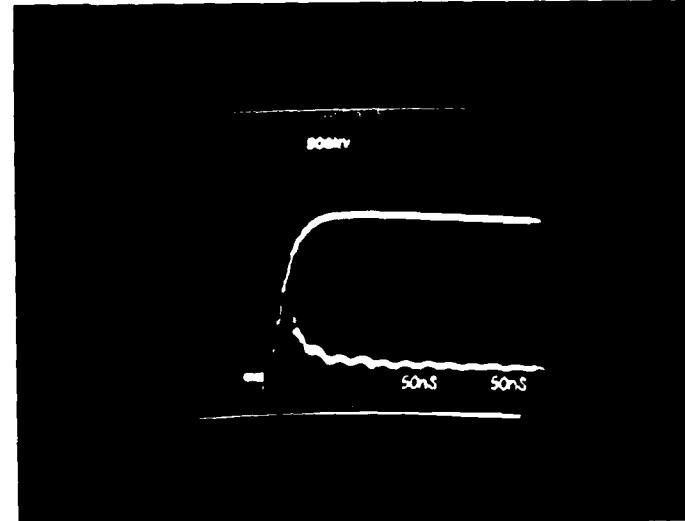
REF



DATA @ .05 V (100V) div

Date	6-7-85
Test Point	56R-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

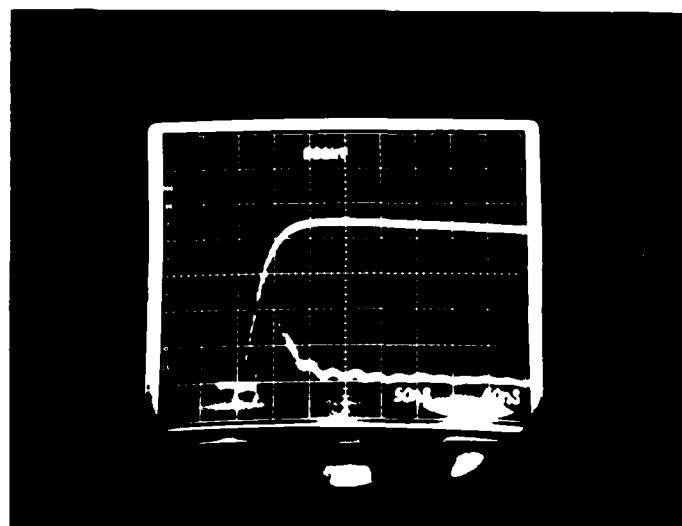
REF



DATA @ .05 V (100V) div.

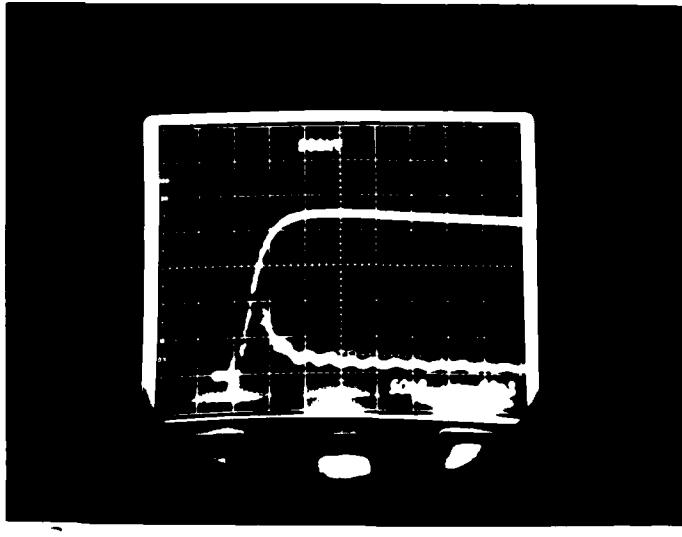
REF

Date	6-7-85
Test Point	56-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



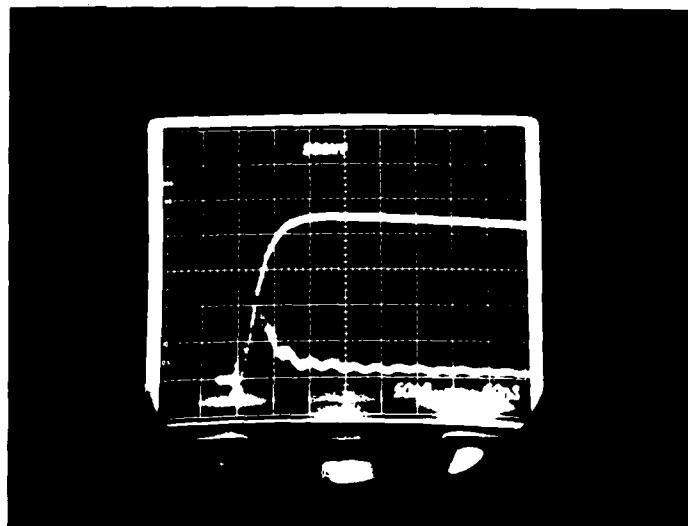
DATA @ .05V (100V)/DIV

Date	6-7-85
Test Point	56R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



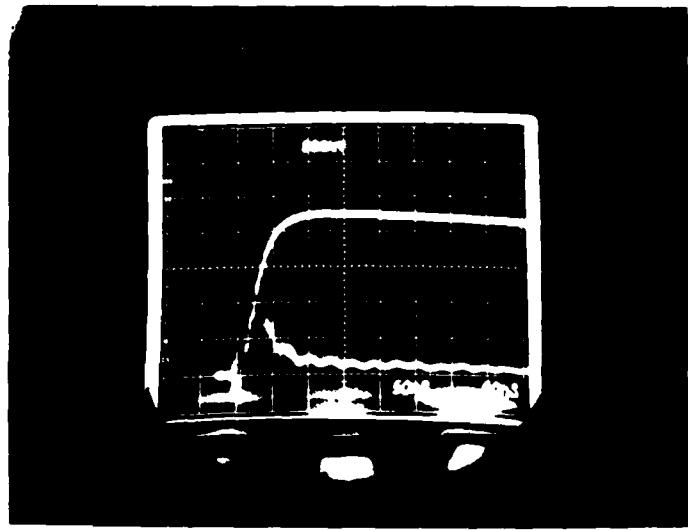
DATA @ .05V(100V) DIV

Date	6-7-85
Test Point	56-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



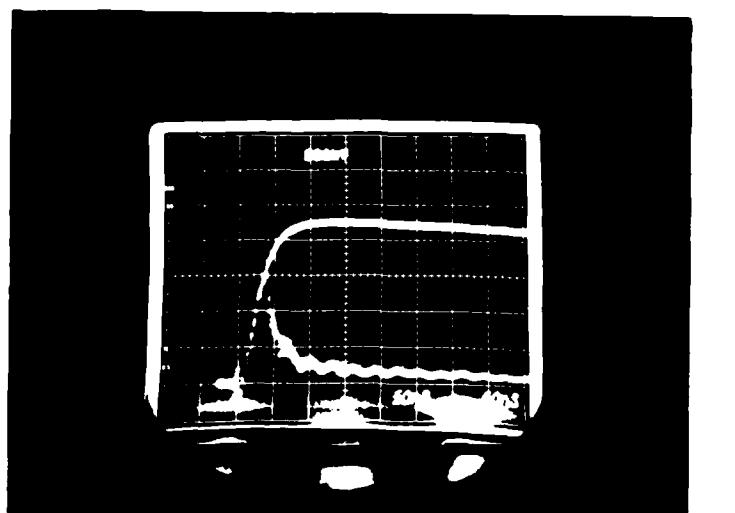
DATA @ .05V(100V)

Date	6-7-85
Test Point	56R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



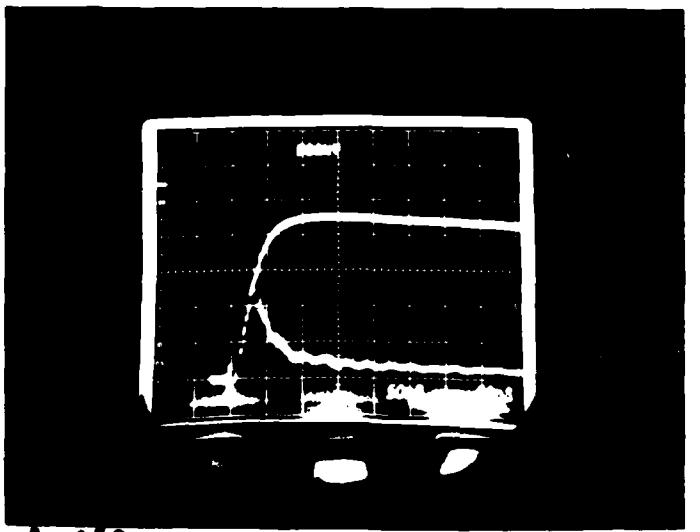
DATA @ .05V(100V)

Date	6-7-85
Test Point	56-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) +/-div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



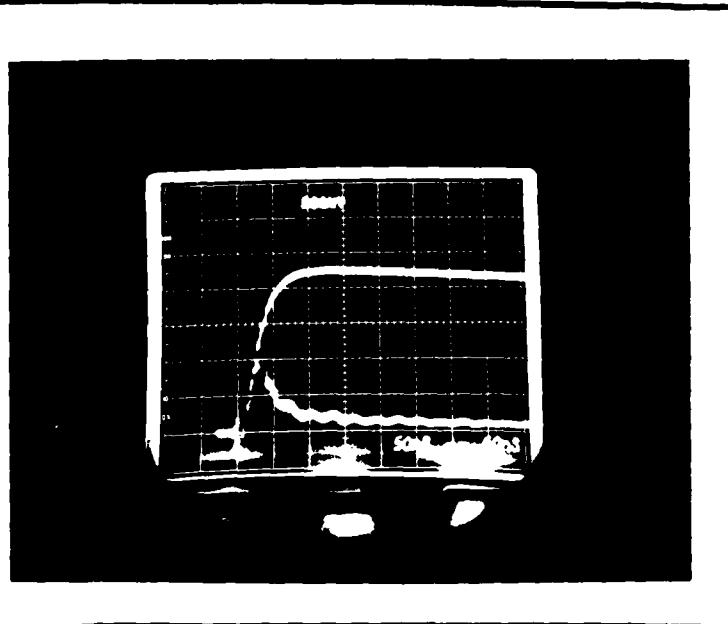
DATA @ .05V(100V)

Date	6-7-85
Test Point	56R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) +/-div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



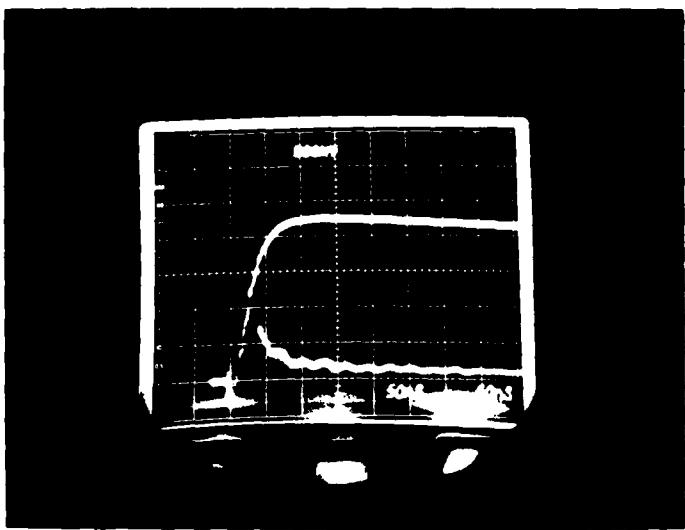
DATA @ .05V(100V)

Date	6-7-85
Test Point	59-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	1041



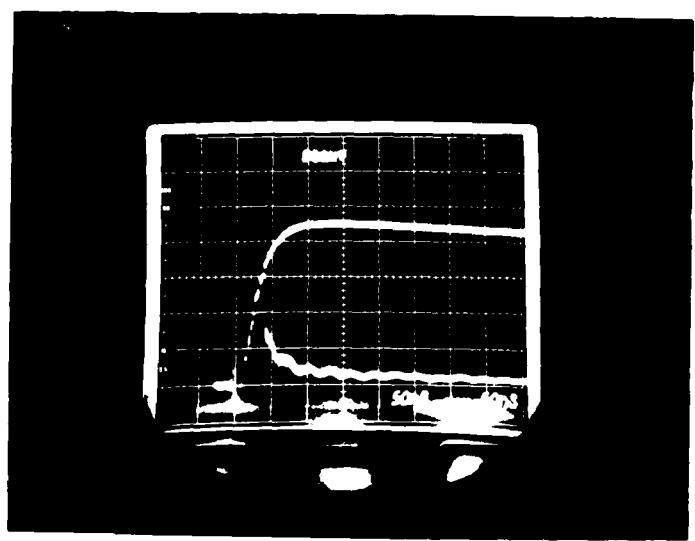
Data @ .05V(100V)

Date	6-7-85
Test Point	59R-CH-Y10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	1042



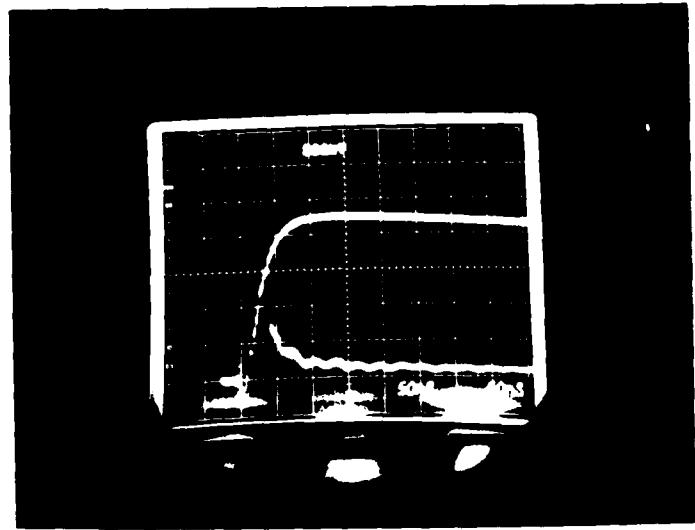
DATA @ .05V(100V)

Date	6-7-85
Test Point	59-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



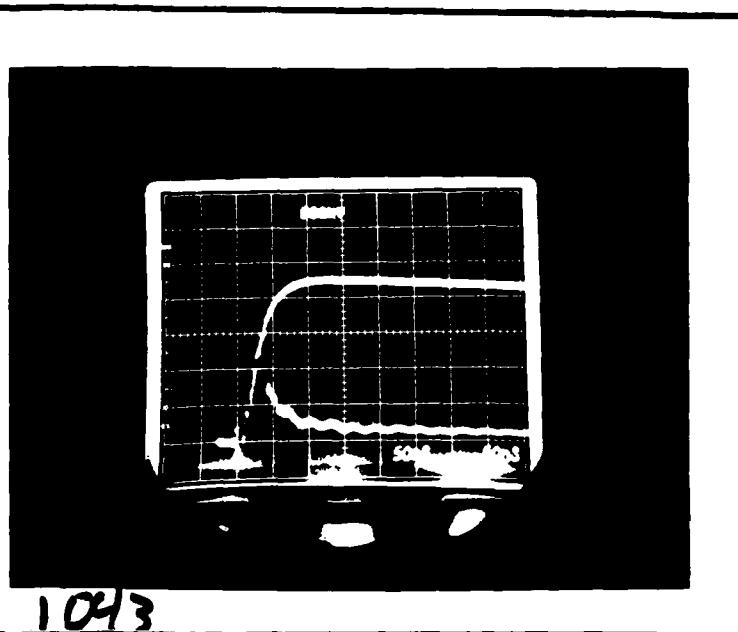
DATA @ .05V(100V)

Date	6-7-85
Test Point	59R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V(100V)-

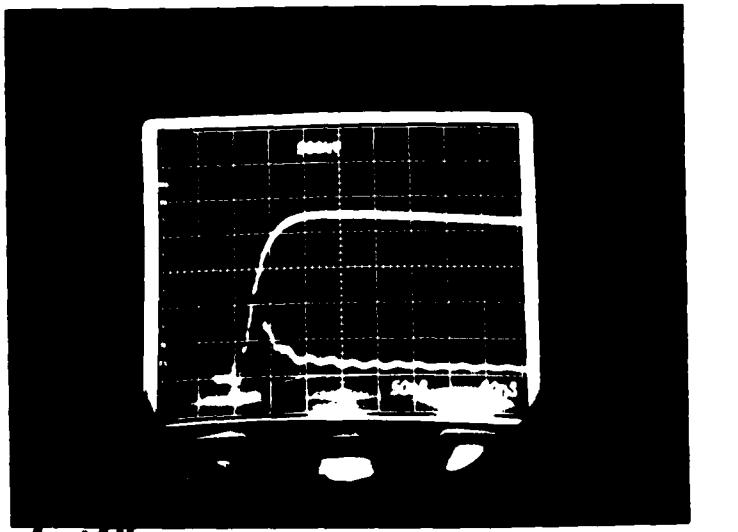
Date	6-7-85
Test Point	59-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+ 4500 V
Data Link	
Comments:	



1043

DATA @ .05V (100V)-

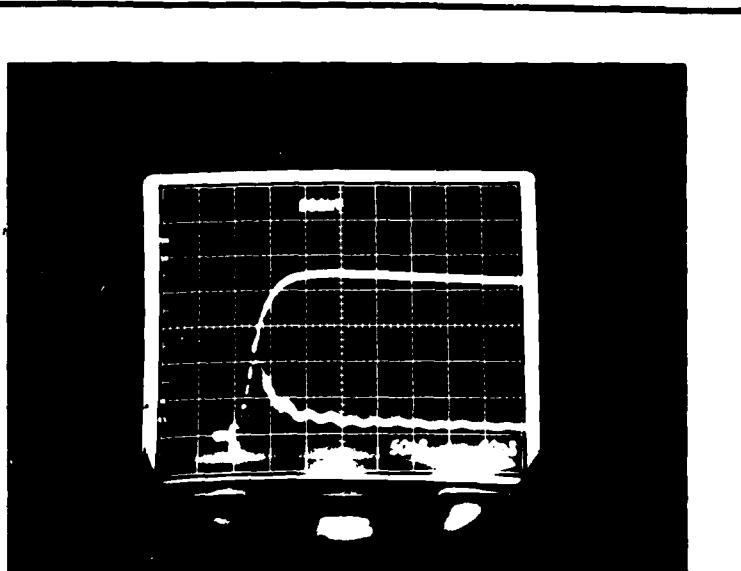
Date	6-7-85
Test Point	59R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500 V
Data Link	
Comments:	



1044

DATA @ .05V (100V)

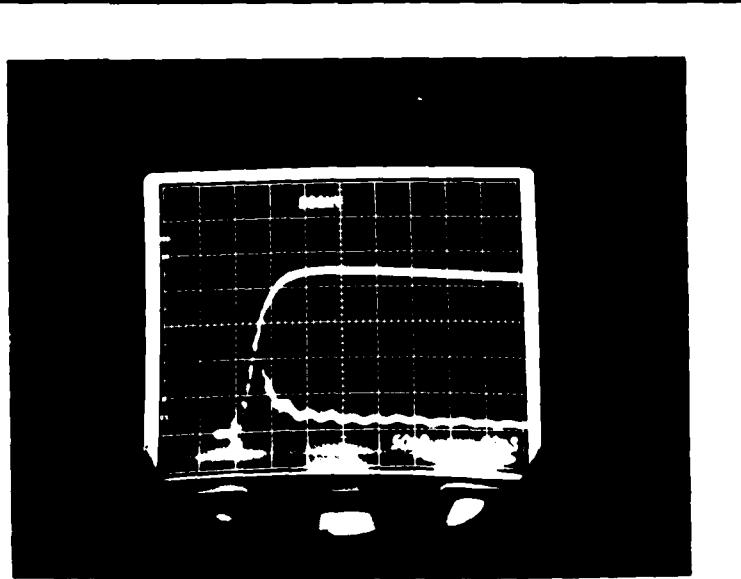
Date	6-7-85
Test Point	59-CH-Y10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1045

DATA @ .05V (100V)

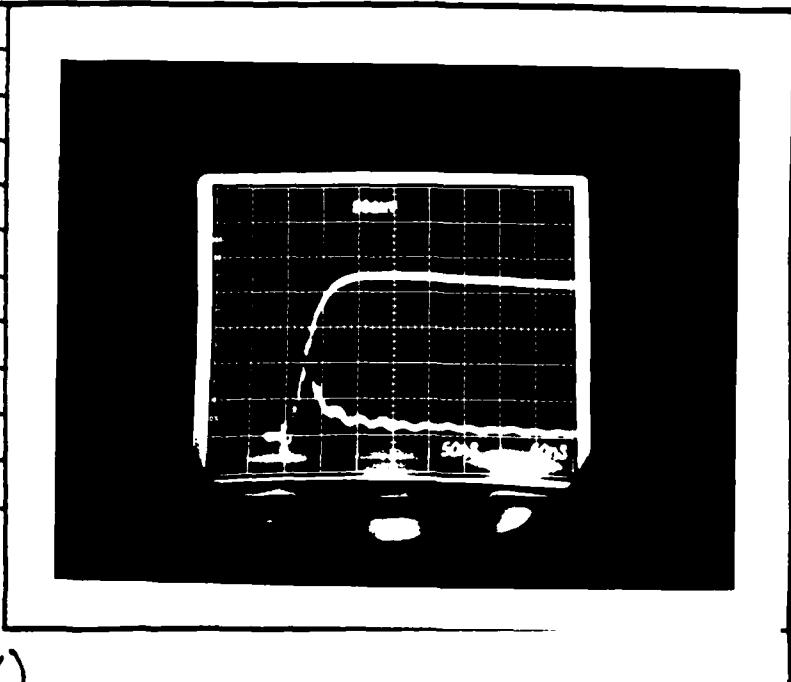
Date	6-7-85
Test Point	59R-CH-Y10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1046

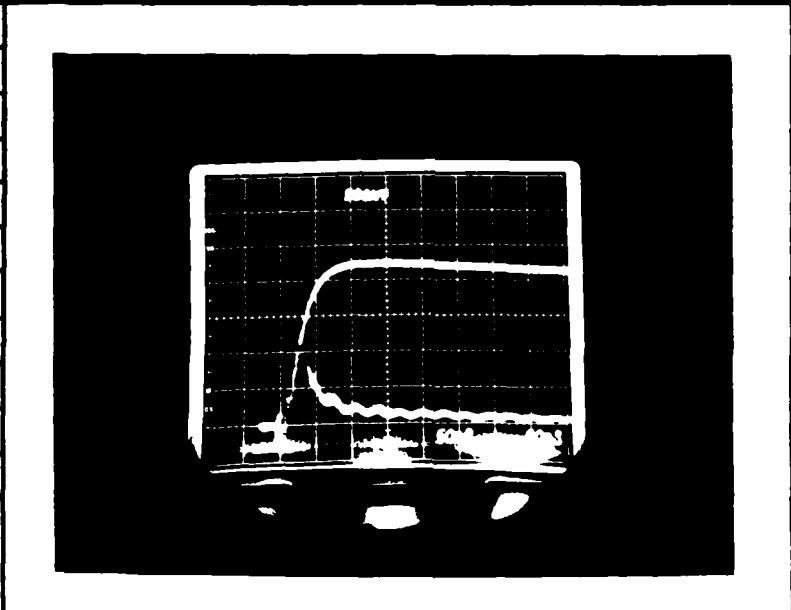
DATA @ .05V (100V)

Date	6-7-85
Test Point	59-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



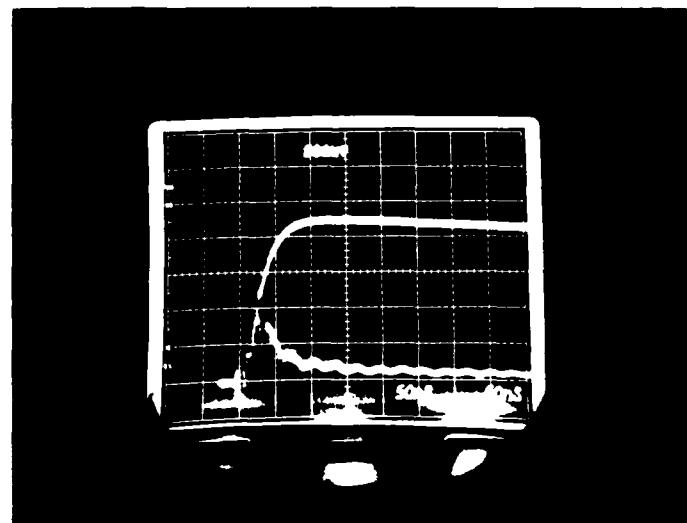
DATA @ .05V (100V)

Date	6-7-85
Test Point	59R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



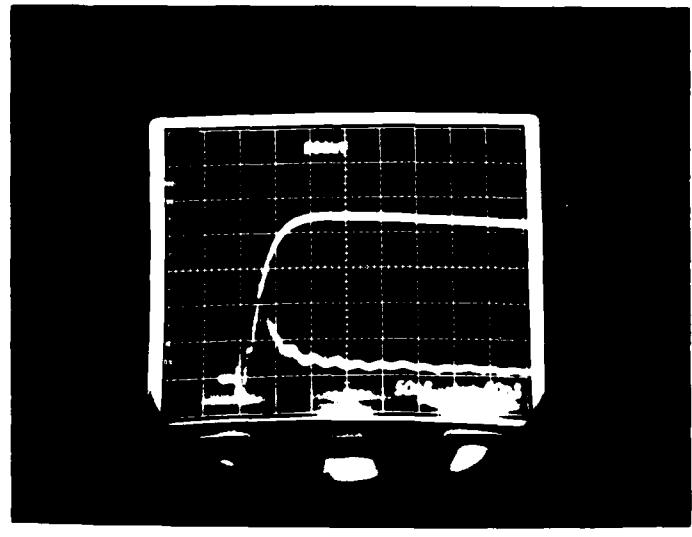
DATA @ .05V (100V)

Date	6-7-85
Test Point	G2 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



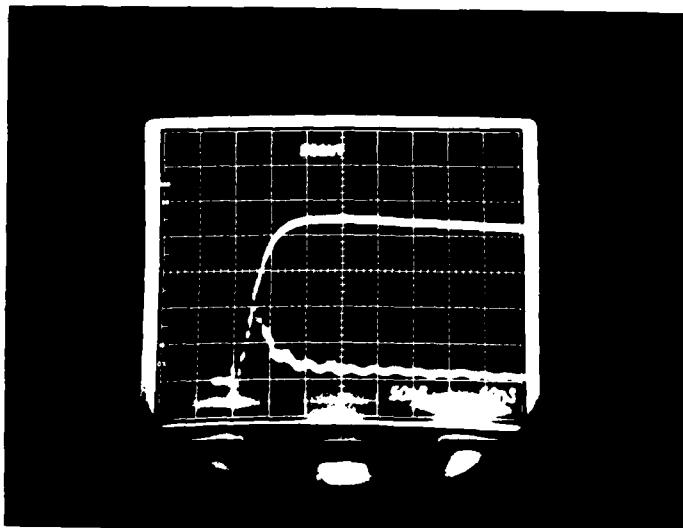
DATA @ .05V(100V)

Date	6-7-85
Test Point	G2R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V(100V)

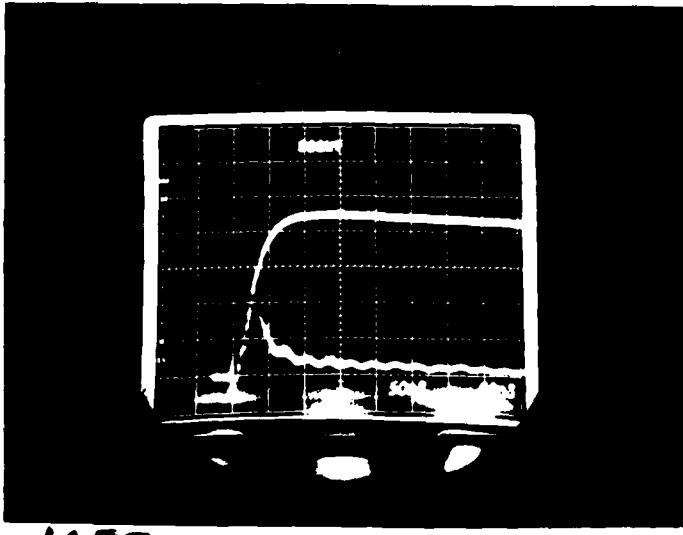
Date	6-7-85
Test Point	62 - CH - Y10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	



1051

DATA @ .05V(100V)

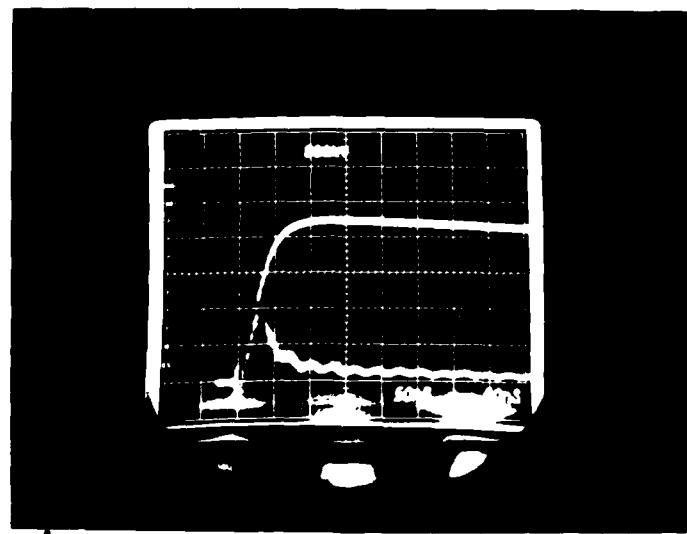
Date	6-7-85
Test Point	62R - CH - Y10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	



1052

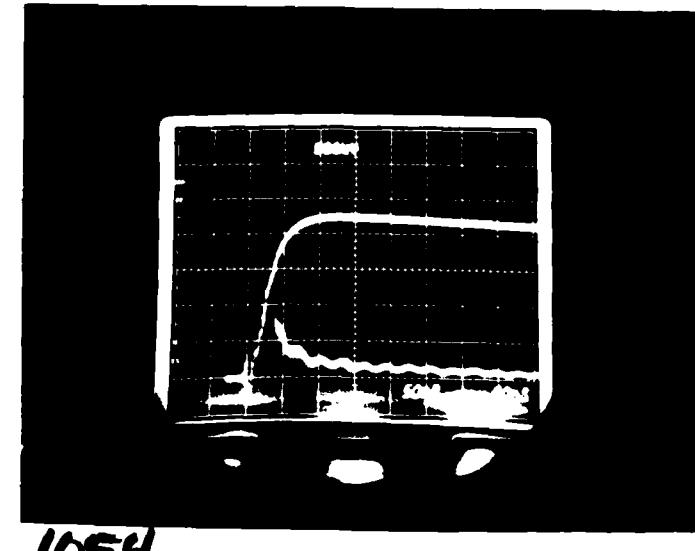
DATA @ .05V(100V)

Date	6-7-85
Test Point	62-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



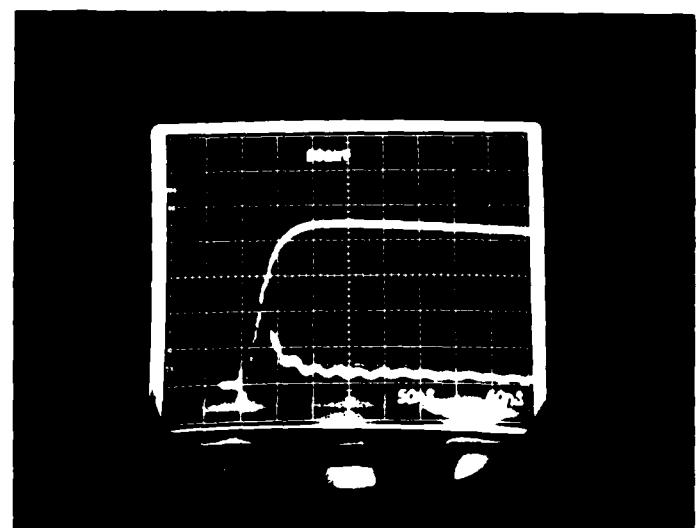
DATA @ : .05V (100V)

Date	6-7-85
Test Point	62R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



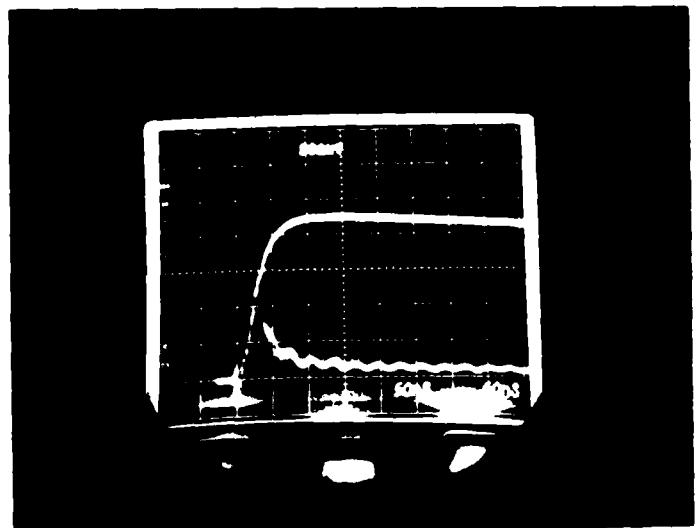
DATA @ : .05V (100V)

Date	6-7-85
Test Point	62-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



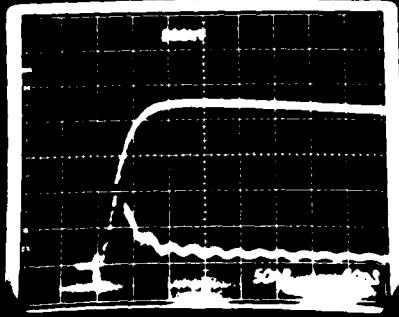
DATA @ .05V (100V)

Date	6-7-85
Test Point	62R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

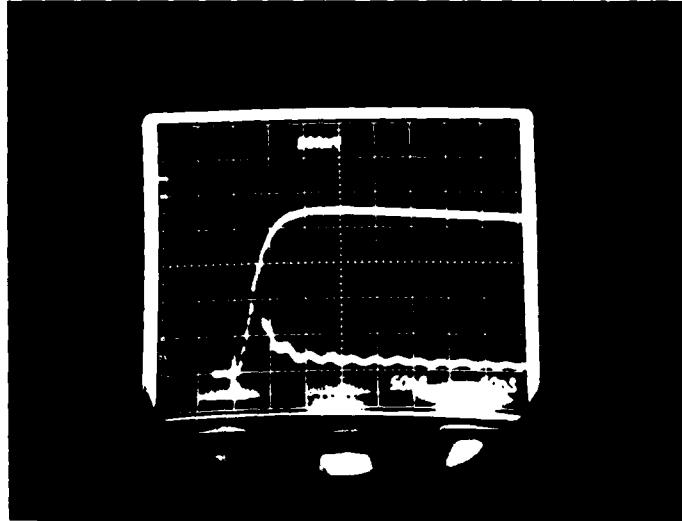
Date	6-7-85
Test Point	62-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	



1057

DATA @ .05V(100V)

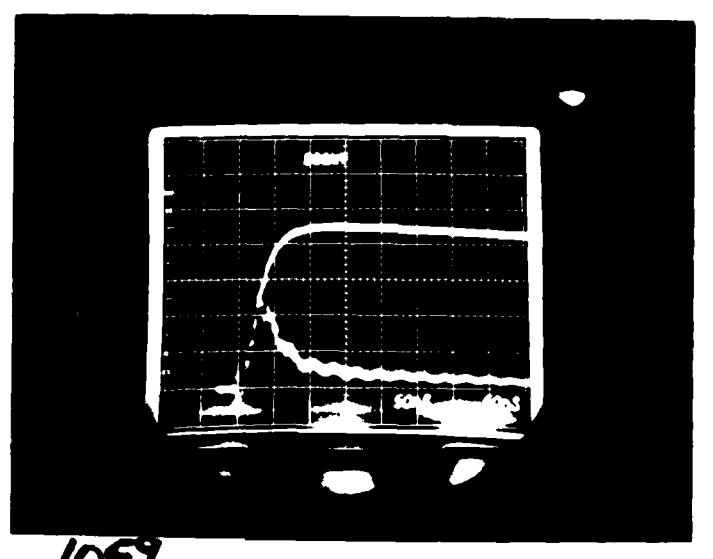
Date	6-7-85
Test Point	62R-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	



1058

DATA @ .05V(100V)

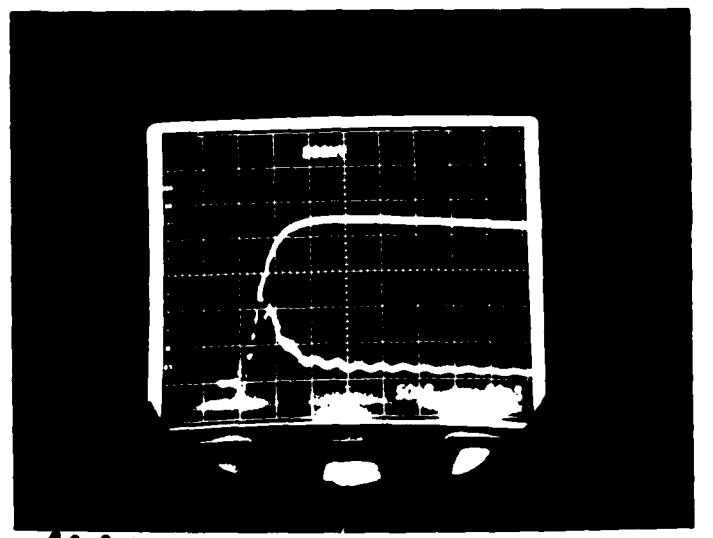
Date	6-7-85
Test Point	65 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1059

DATA @ .05V (100V)

Date	6-7-85
Test Point	65R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

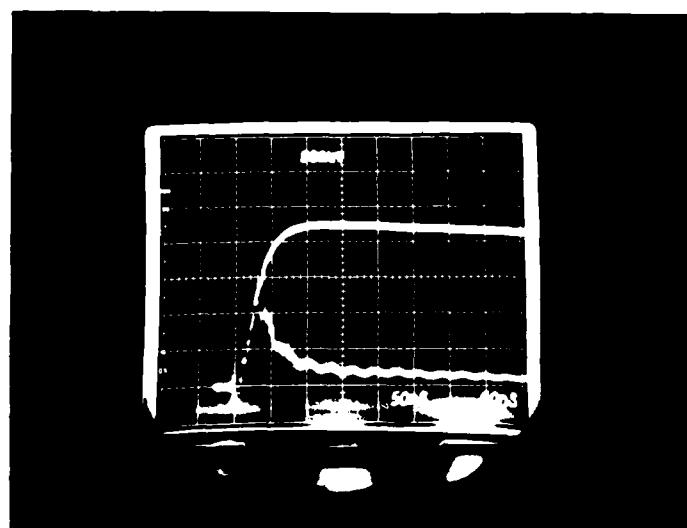


1060

DATA @ -.05V (100V) -

Date	6-7-85
Test Point	65 - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

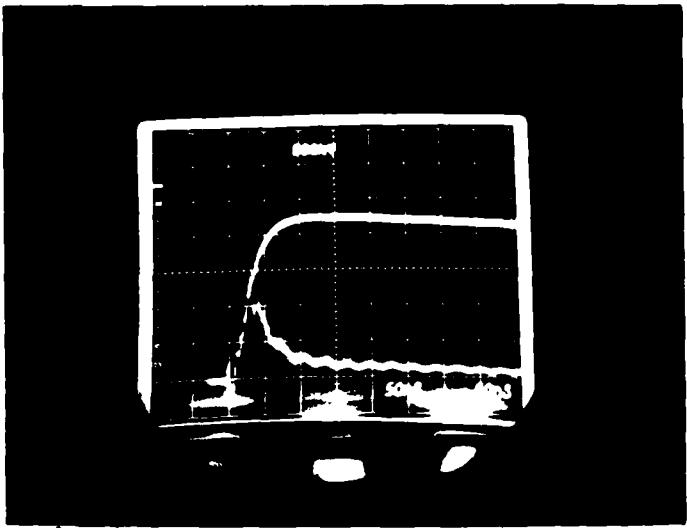


1061

DATA @ .05V(100V)

Date	6-7-85
Test Point	65R - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

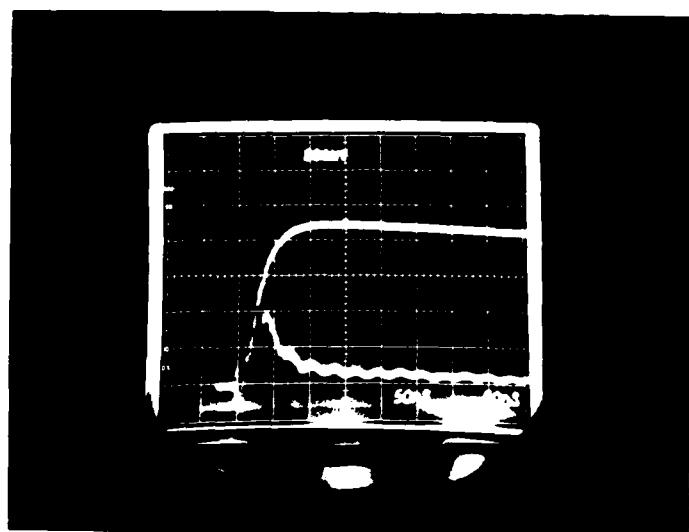
Comments:



1062

DATA @ .05V(100V)

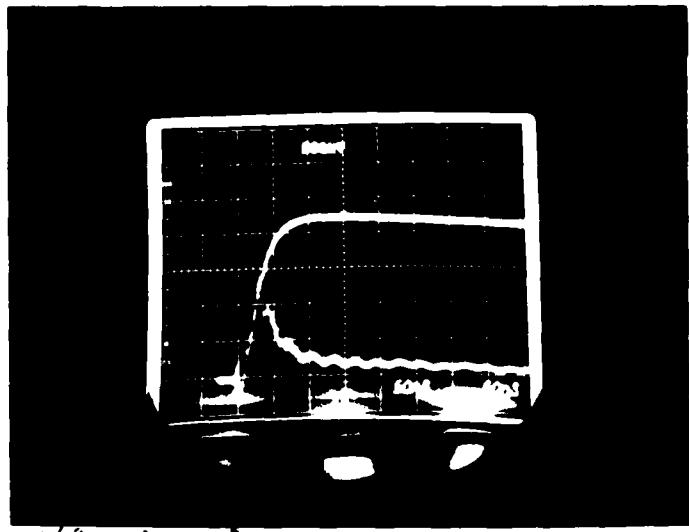
Date	6-7-85
Test Point	65-C4-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1063

DATA @ .05V (100V)

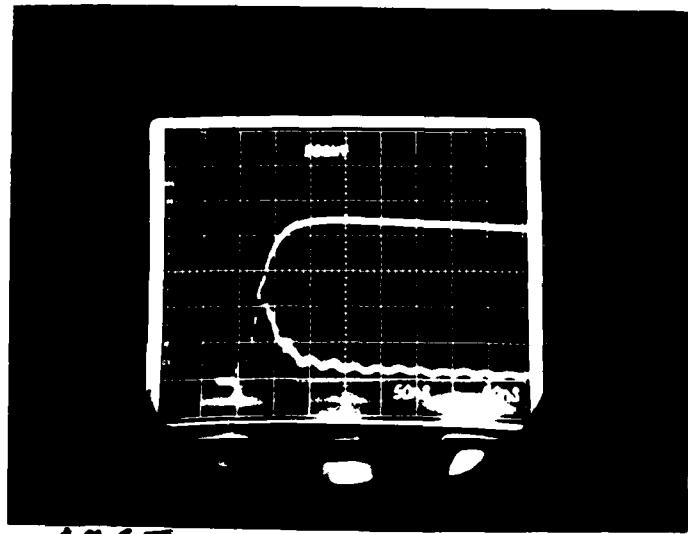
Date	6-7-85
Test Point	65R-C4-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1064

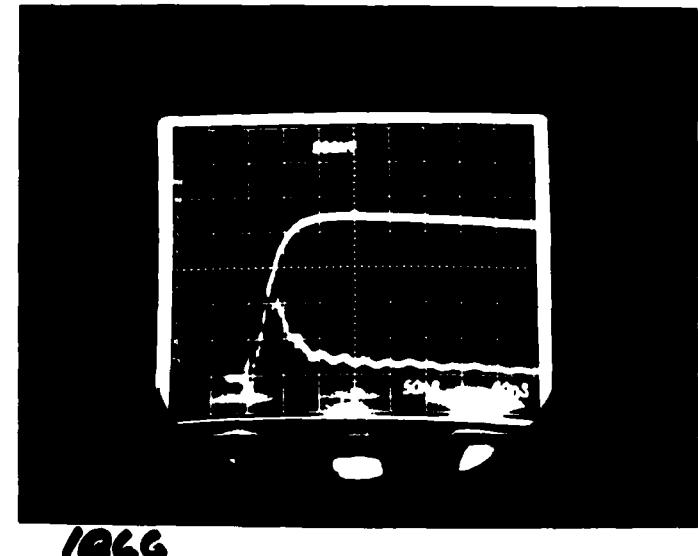
DATA @ .05V (100V)

Date	6-7-85
Test Point	65 - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1065



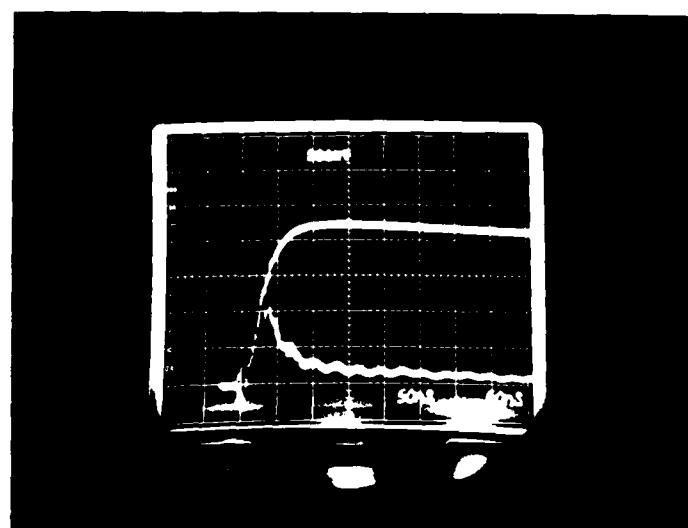
DATA @ .05V (100V)

Date	6-7-85
Test Point	65R - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1066



DATA @ .05V (100V)

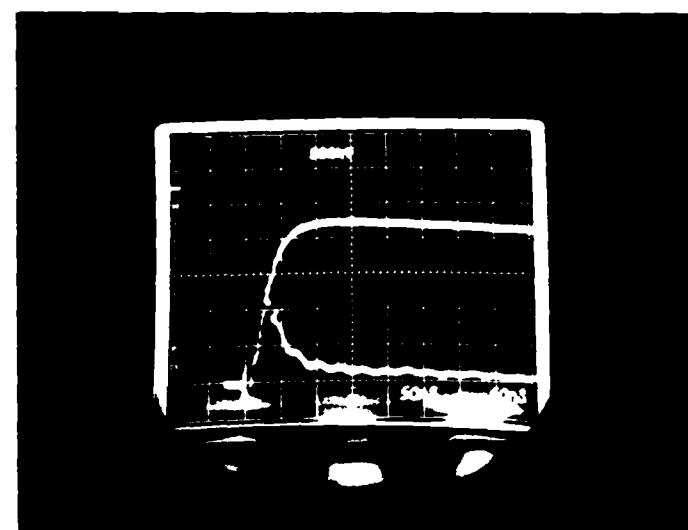
Date	6-7-85
Test Point	65-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	



1067

DATA @ .05V (100V)

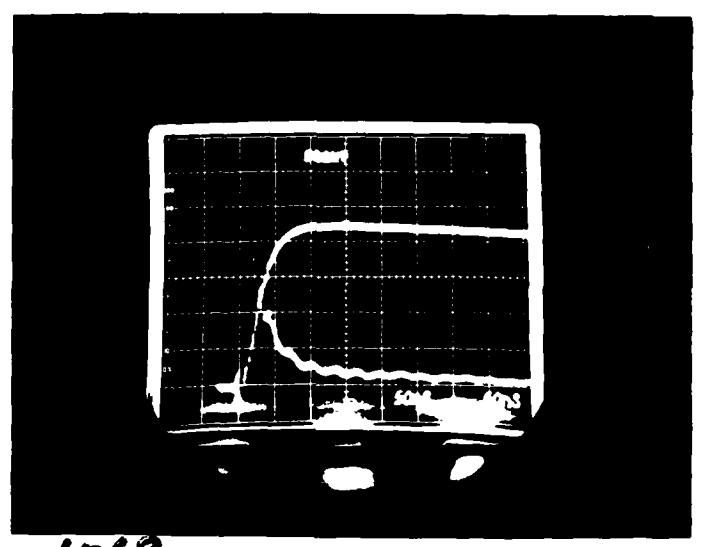
Date	6-7-85
Test Point	65R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	



1068

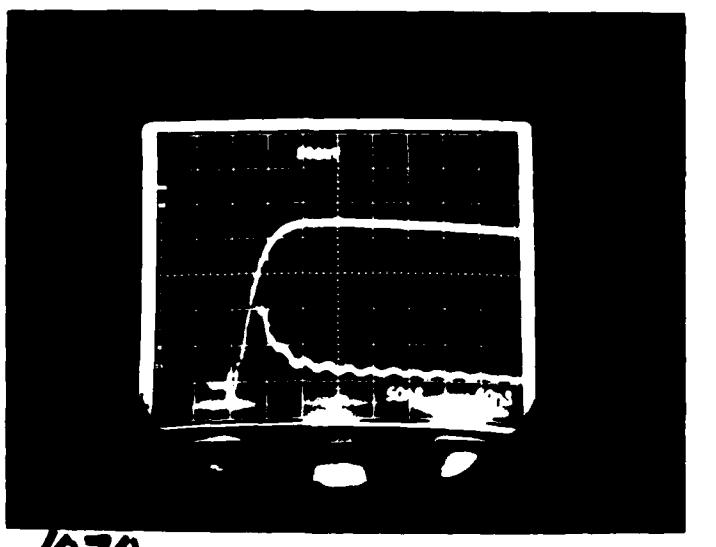
DATA @ .05V (100V)

Date	6-7-85
Test Point	67-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500
Data Link	
Comments:	



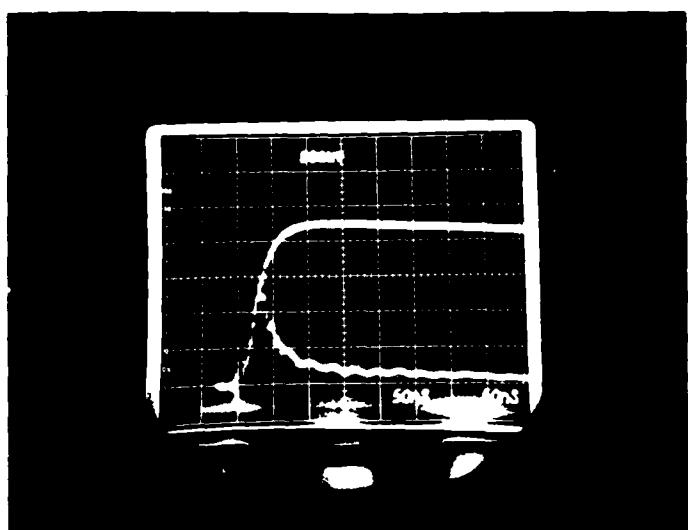
DATA @ .05V (100V)

Date	6-7-85
Test Point	67R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	



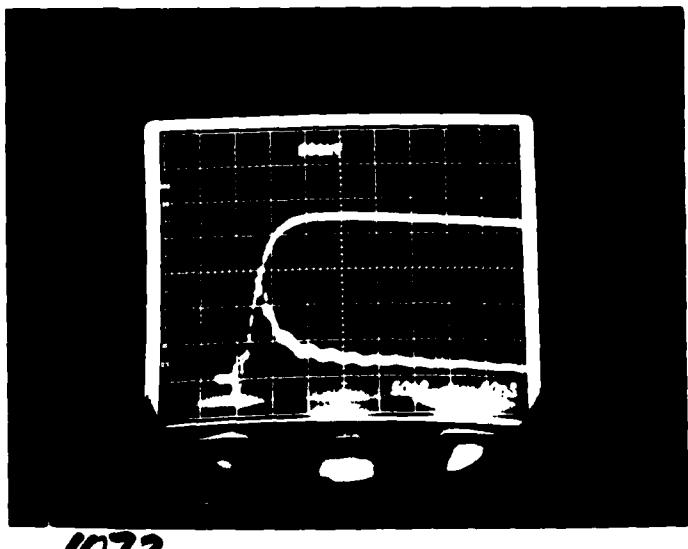
DATA @ .05V (100V) -

Date	6-7-85
Test Point	67-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1071



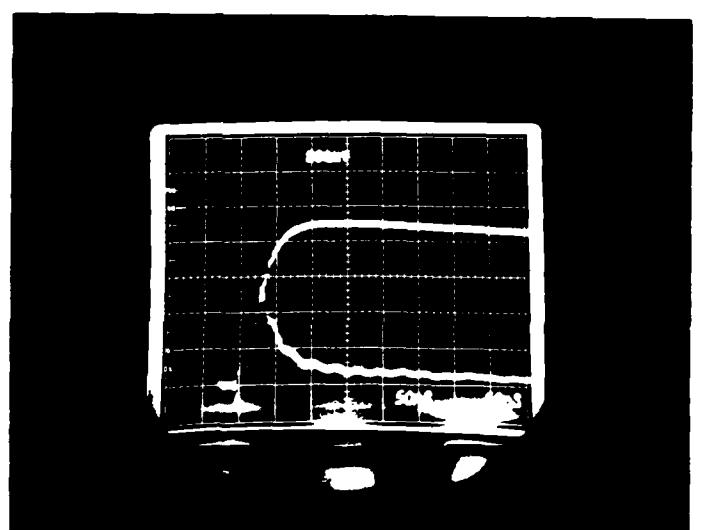
DATA @ .05V (100V)

Date	6-7-85
Test Point	67R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1072



DATA @ .05V (100V)

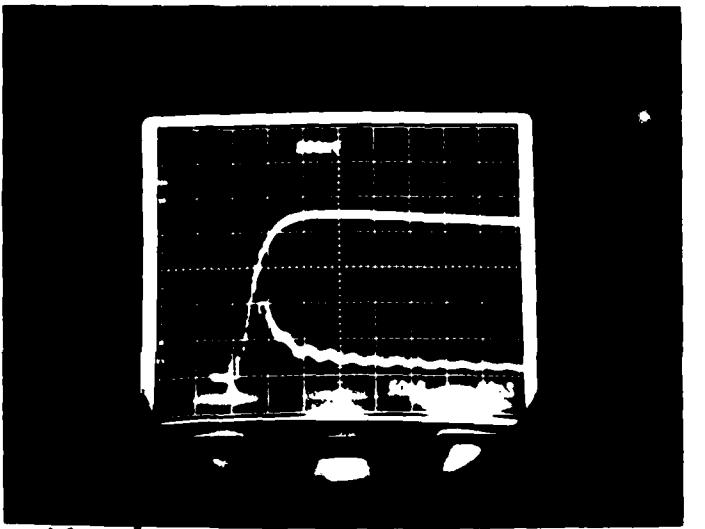
Date	6-7-85
Test Point	67-CH-Y10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	



1073

DATA @ .05-(100V)

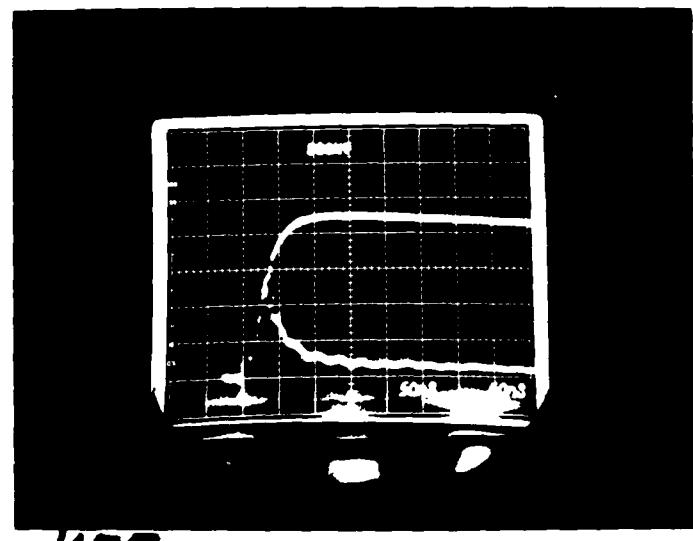
Date	6-7-85
Test Point	67R-CH-Y10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	



1074

DATA @ .05V (100V)-

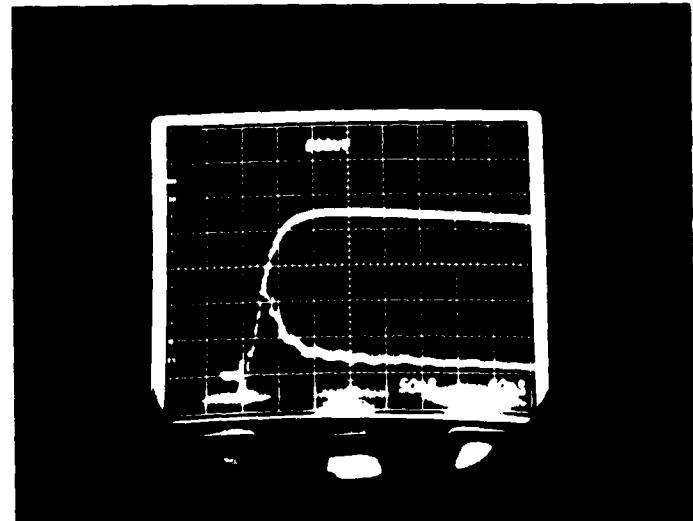
Date	6-7-85
Test Point	67 - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	7-7-85



1075

DATA @ .05V (100V)

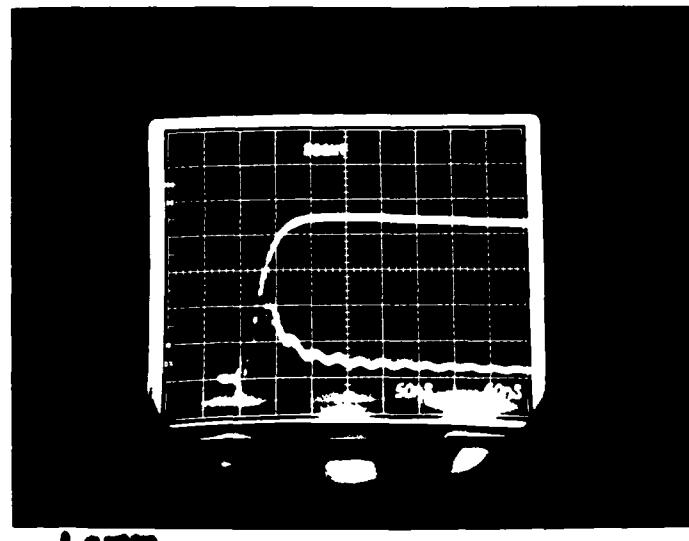
Date	6-7-85
Test Point	67R - CH - 1/10 - D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	7-7-85



1076

DATA @ .05V (100V)

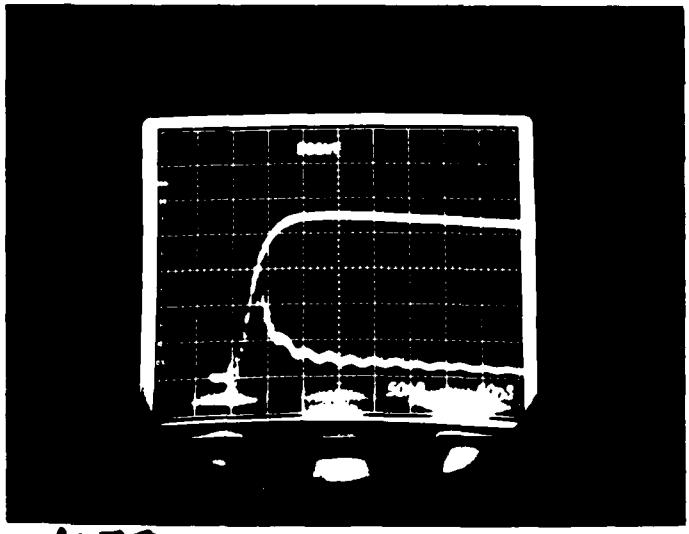
Date	6-7-85
Test Point	67-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1077

DATA @ .05V (100V)

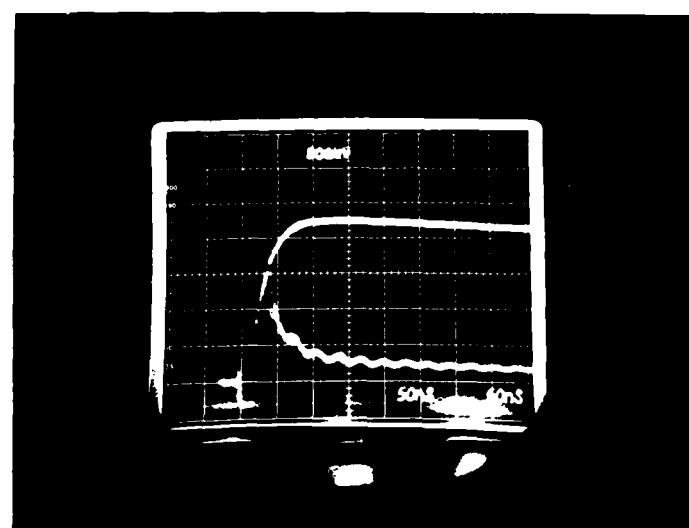
Date	6-7-85
Test Point	67R-CH-Y10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1078

DATA @ .05V (100V)

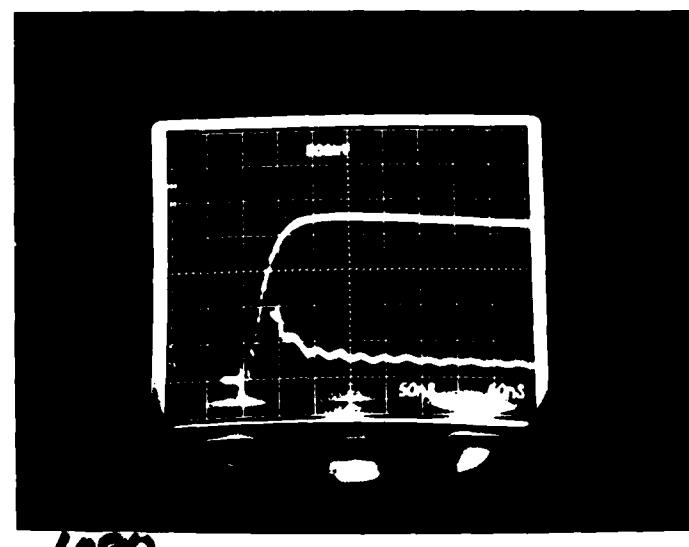
Date	6-7-85
Test Point	71-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1079

DATA @ .05V (100V)

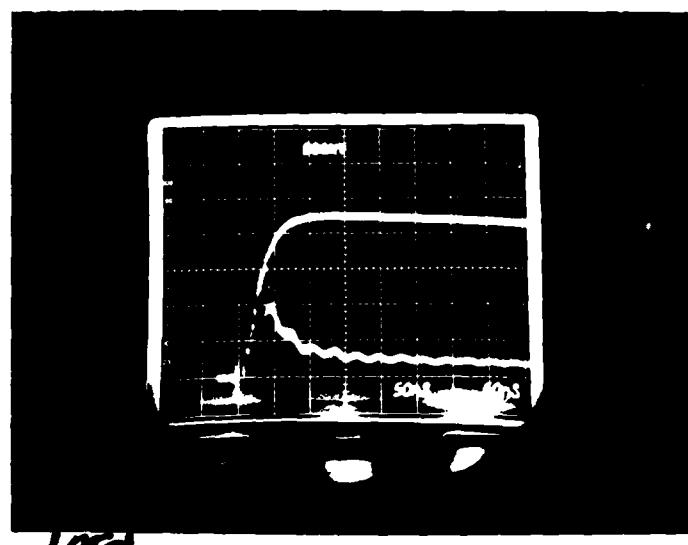
Date	6-7-85
Test Point	71R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1080

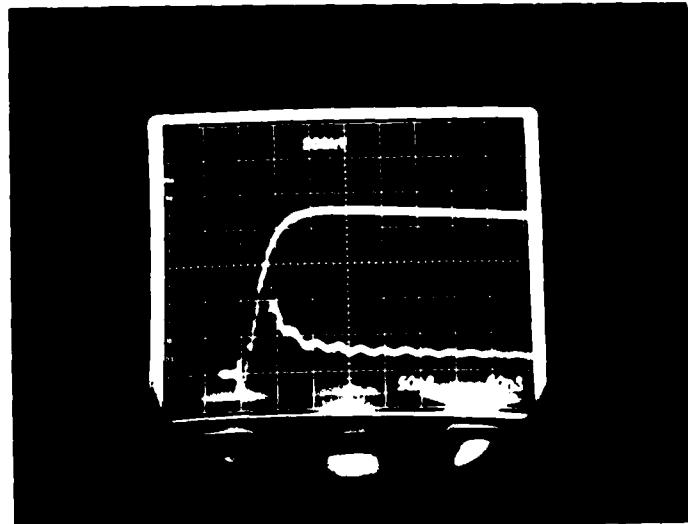
DATA @ .05V (100V)

Date	6-7-85
Test Point	671-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



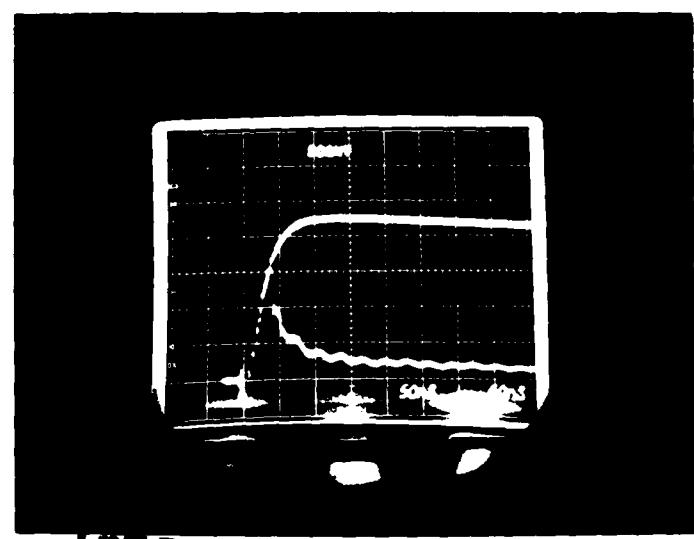
DATA @ .05V (100V)

Date	6-7-85
Test Point	71R-CH-Y10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



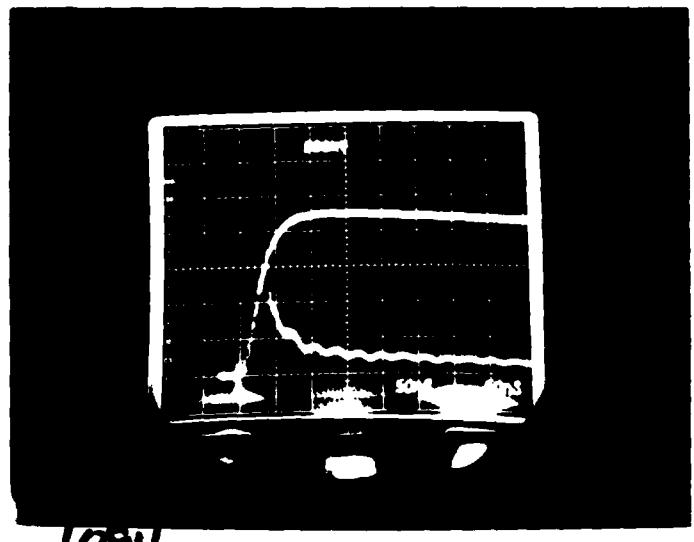
DATA @ .05V (100V)

Date	6-7-85
Test Point	71 - CH - 400 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



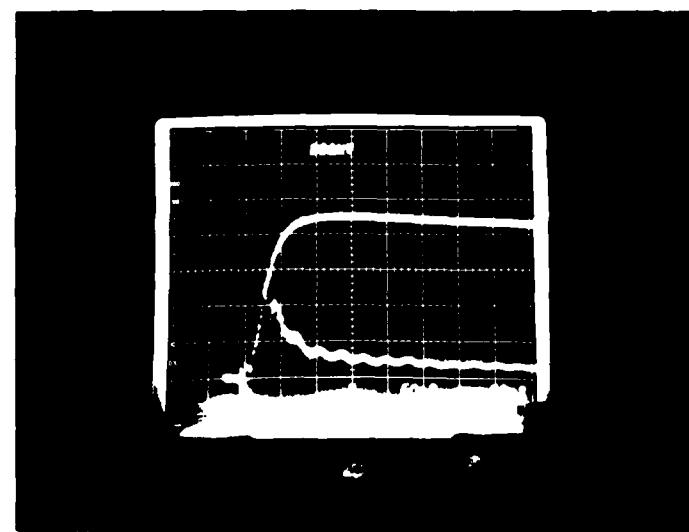
DATA @ .05V (100V)

Date	6-7-85
Test Point	71R - CH - 1/10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



DATA @ .05V (100V)-

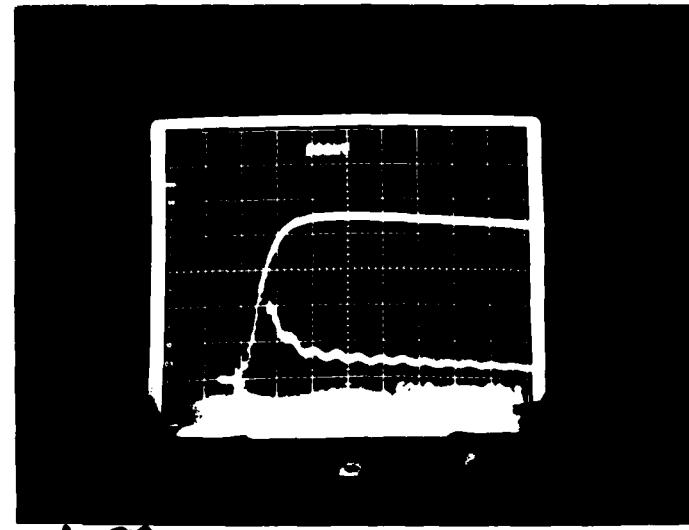
Date	6-7-85
Test Point	71-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	



1083

DATA @ .05V (100V)

Date	6-7-85
Test Point	71R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

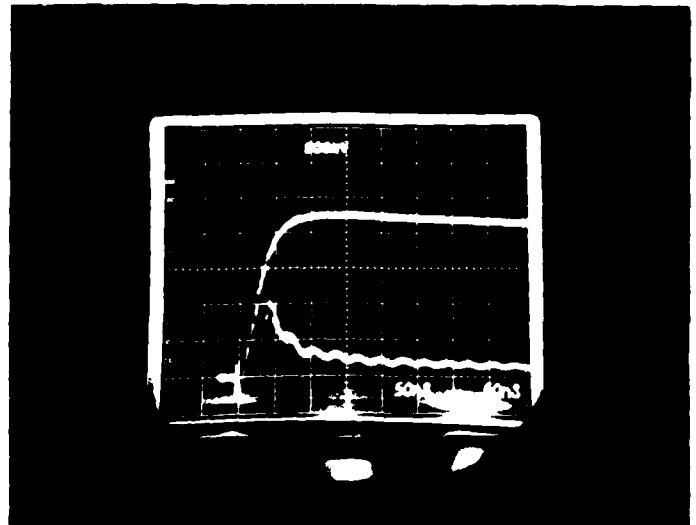


1086

DATA @ .05V (100V)

Date	6-7-85
Test Point	71 - CH - 4/10 - E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

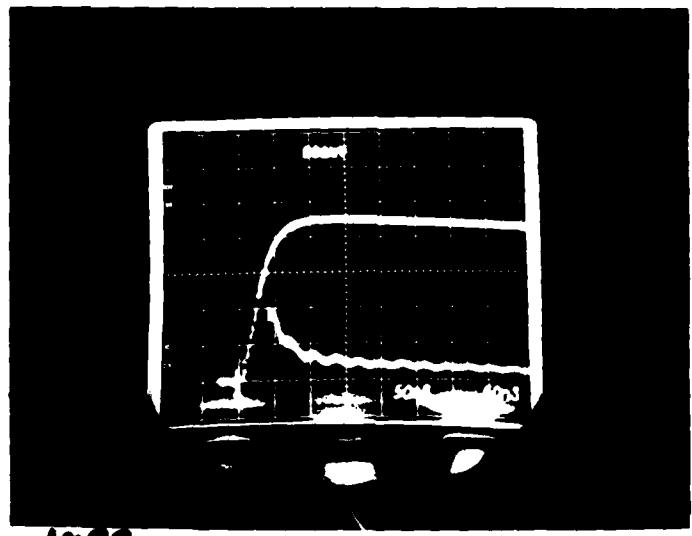
Comments:



DATA @ .05V (100V)

Date	6-7-85
Test Point	71R - CH - 4/10 - E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	

Comments:



DATA @ .05V (100V)

Date 6-10-85

Test Point 74-CH-1/10-Φ

Amplification dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(1000V) mV/div 1

Horizontal ns/div 2

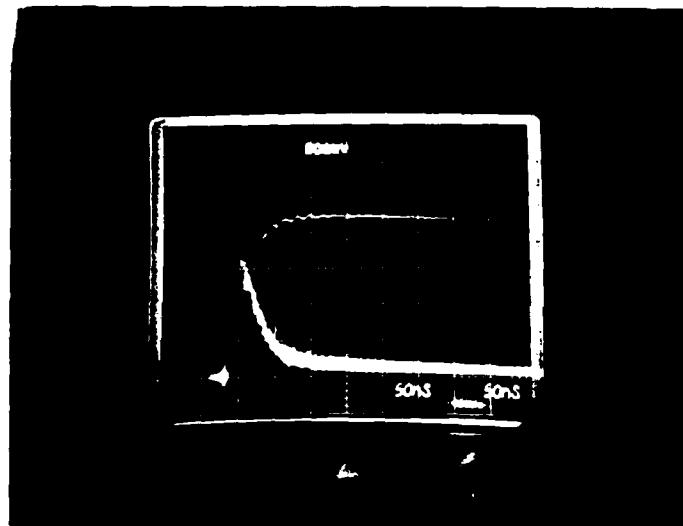
Vertical ns/div 2

Configuration

Pulser Level +4500V

Data Link

Comments:



1179

DATA @ .1V (200V)

Date 6-10-85

Test Point 74R-CH-1/10-Φ

Amplification dB

Attenuation 20 dB

Horizontal 50 ns/div 1

Vertical .5V(1000V) mV/div 1

Horizontal ns/div 2

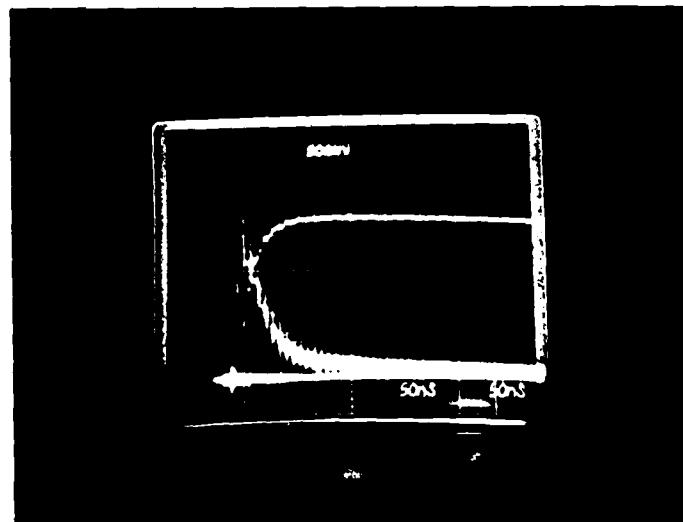
Vertical ns/div 2

Configuration

Pulser Level -4500V

Data Link

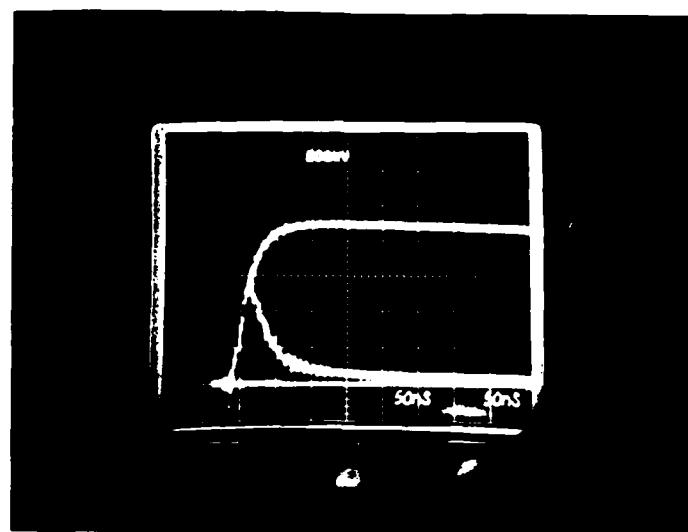
Comments:



1180

DATA @ .1V (200V)

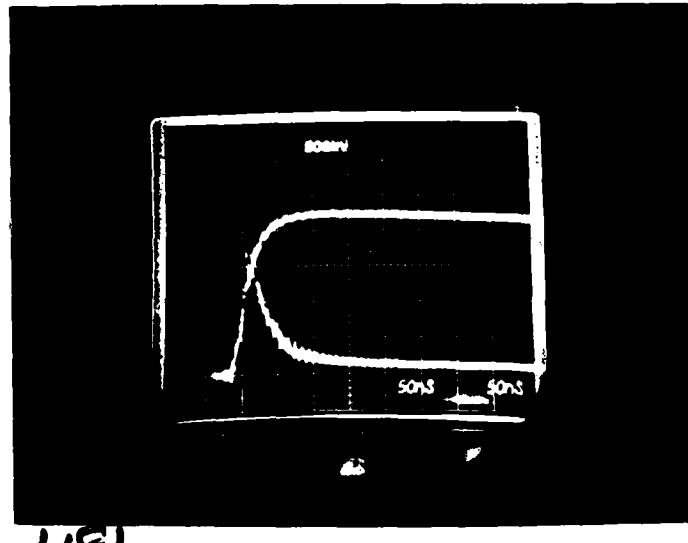
Date	6-10-85
Test Point	75-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1182

DATA @ .1V (200V)

Date	6-10-85
Test Point	75R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



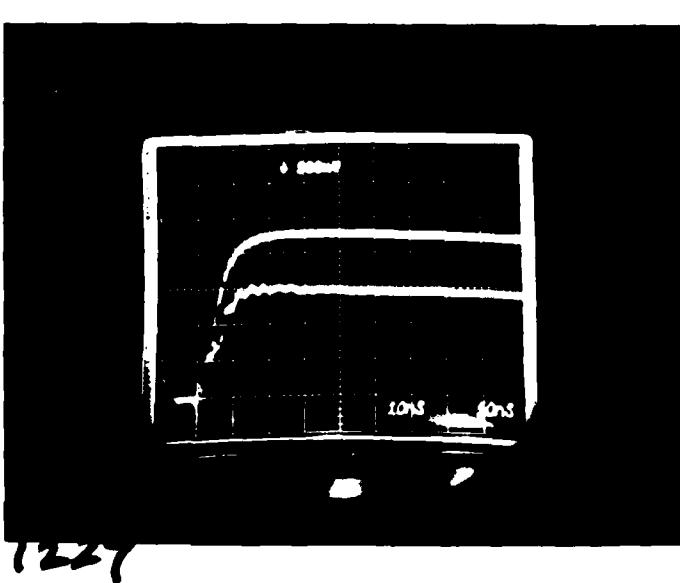
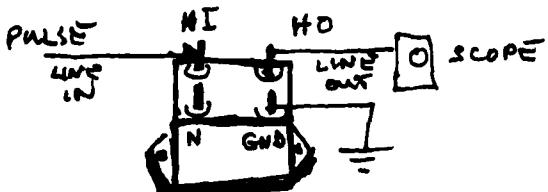
1181

DATA @ .1V (200V)

Date	6-11-85
Test Point	76-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	12 - 6

"HOT"

DATA @ .1



Date	6-11-85
Test Point	76R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

"HOT"

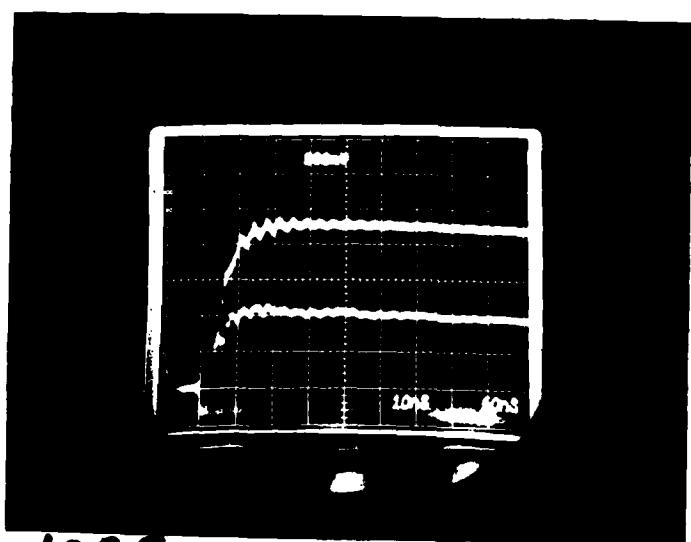
DATA @ .1V (200V)

Date	6-11-85
Test Point	76-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

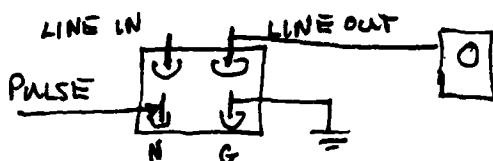
Comments:

"NEUTRAL".

DATA @ .LV (200V)



1228

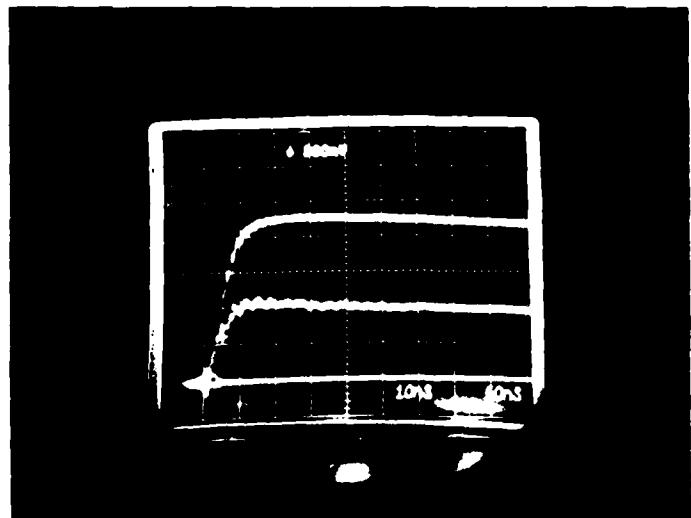


Date	6-11-85
Test Point	76R-CH-1/10-Φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

"NEUTRAL"

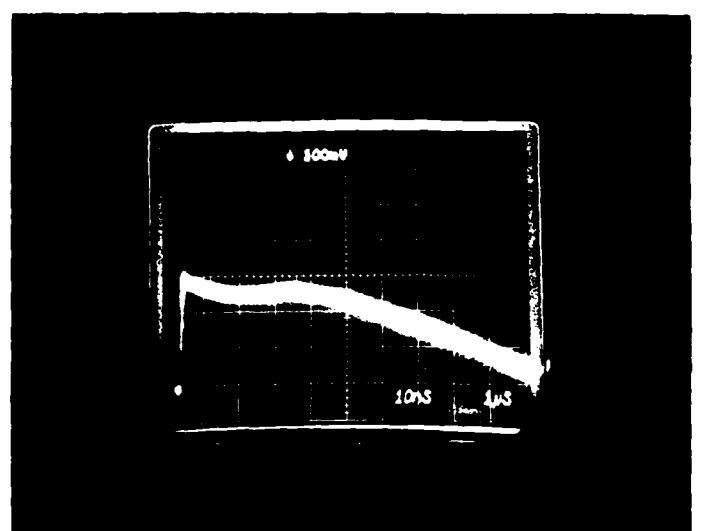
DATA @ .LV (200V)



1229

Date	6-11-85
Test Point	76-CH-10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	1ns/div 1
Vertical	.1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

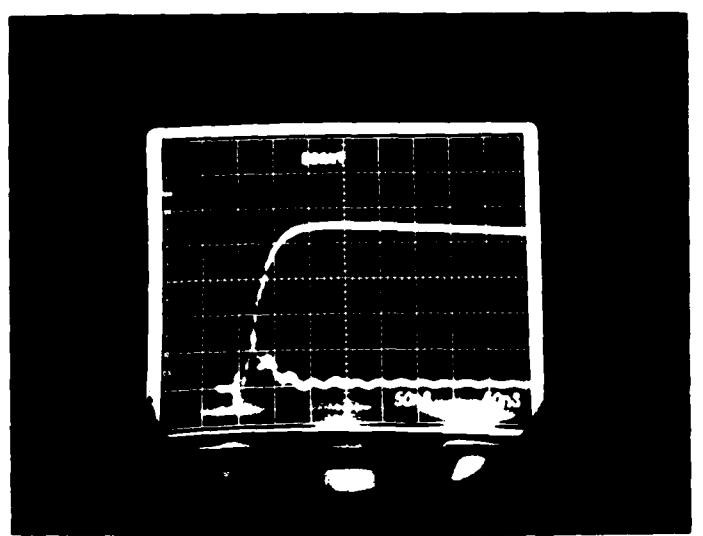
HOT -



1228

Data	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

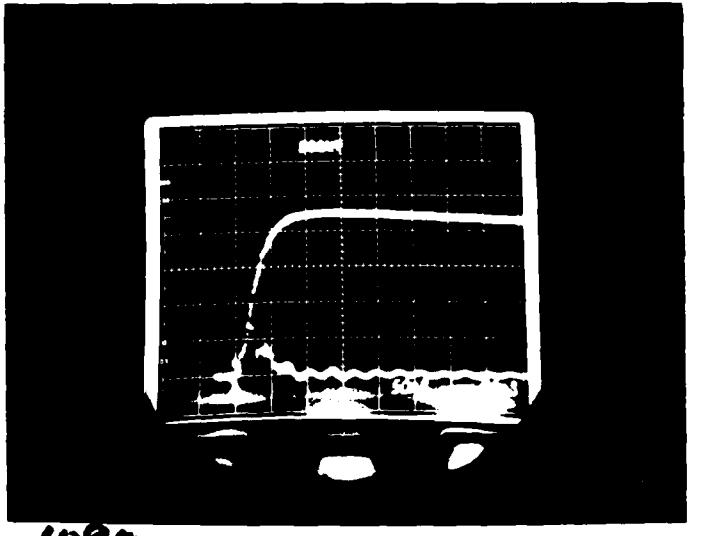
Date	6-7-85
Test Point	78-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1089

DATA @ .5V (100V)

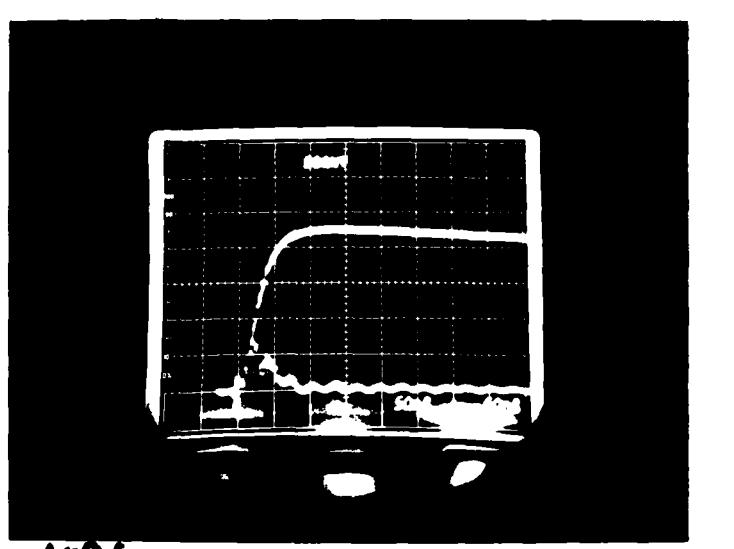
Date	6-7-85
Test Point	78R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1090

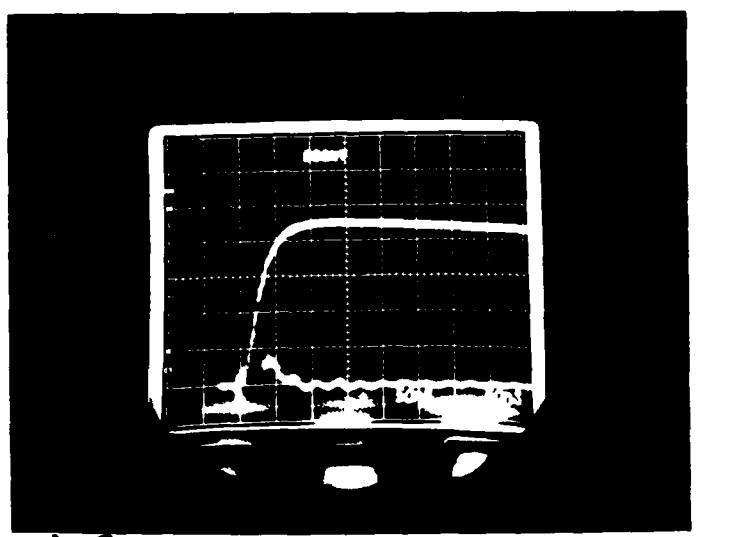
DATA @ .5V (100V)

Date	6-7-85
Test Point	78-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	77



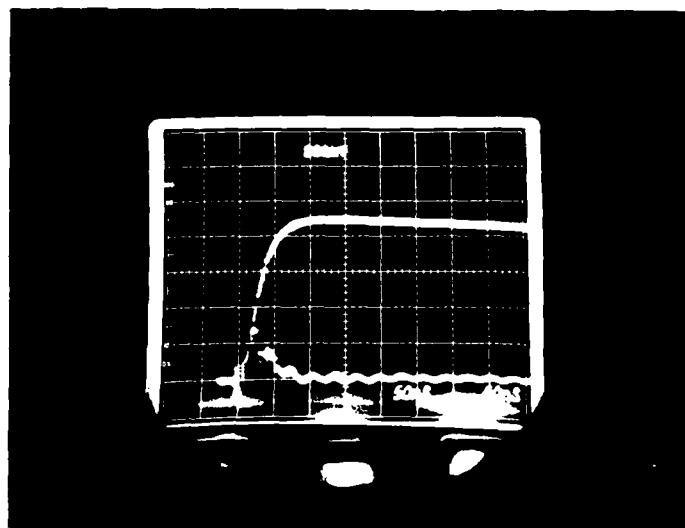
DATA @ .05V (100V)

Date	6-7-85
Test Point	78R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	



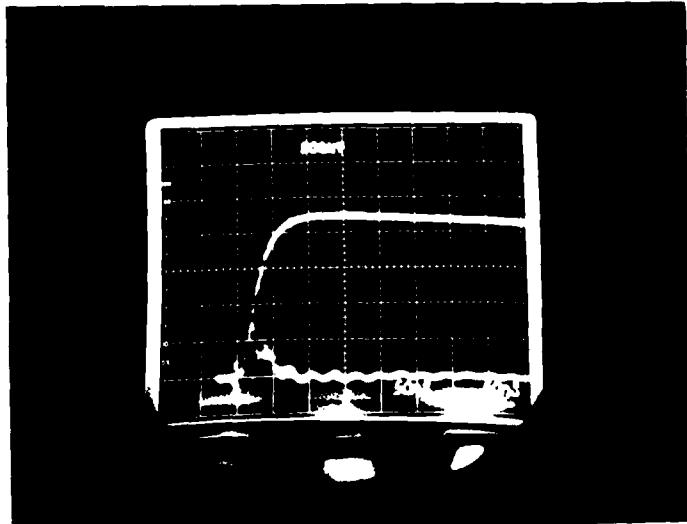
DATA @ .05V (100V)

Date	6-7-85
Test Point	78-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1093



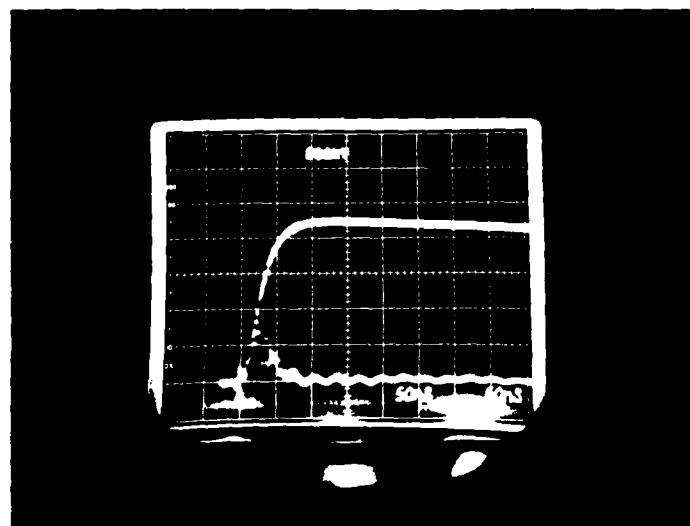
DATA @ .05V (100V)

Date	6-7-85
Test Point	78-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1094



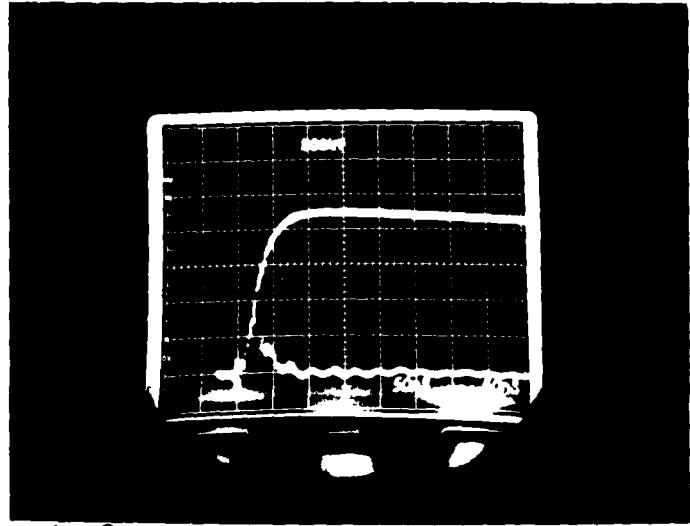
DATA @ .05V (100V)

Date	6-7-85
Test Point	78-CH-1/10-D
Ampification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



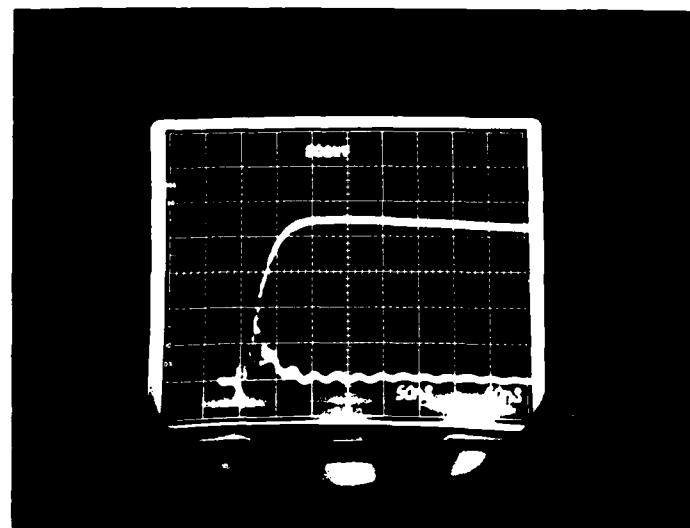
DATA @ .05V (100V)-

Date	6-7-85
Test Point	78R-CH-1/10-D
Ampification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V)mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



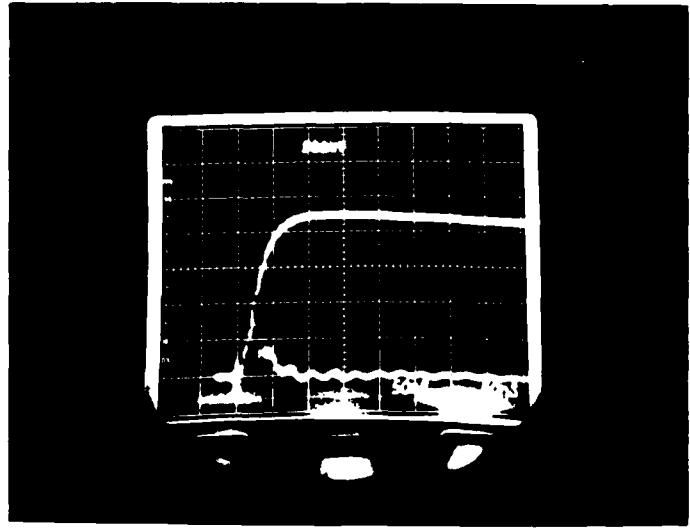
DATA @ .05V (100V)

Date	6-7-85
Test Point	78 -CH - 1/10 - E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	177



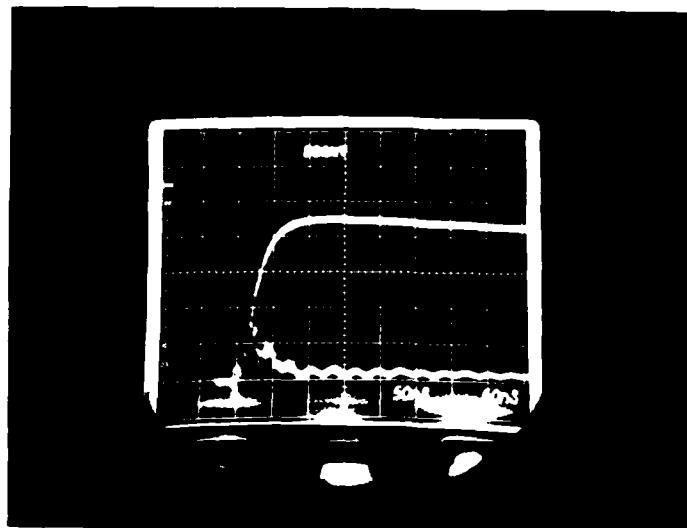
DATA @ .05V (100V)

Date	6-7-85
Test Point	78R -CH - 1/10 - E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	177



DATA @ .05V (100V) -

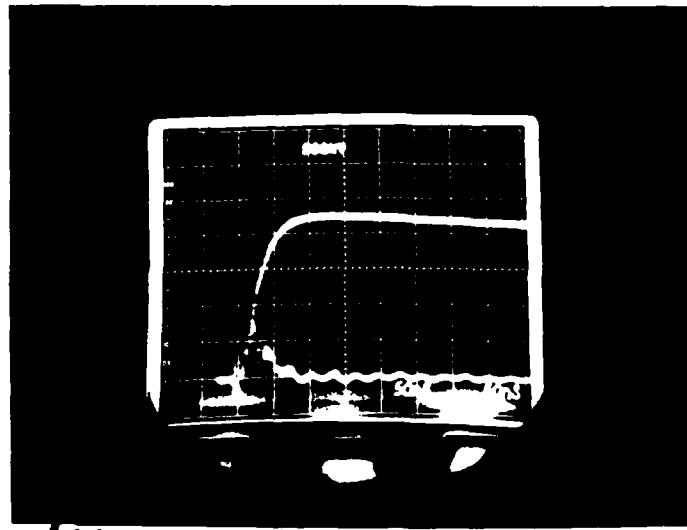
Date	6-7-85
Test Point	81-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	7-7-85



(099)

DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	

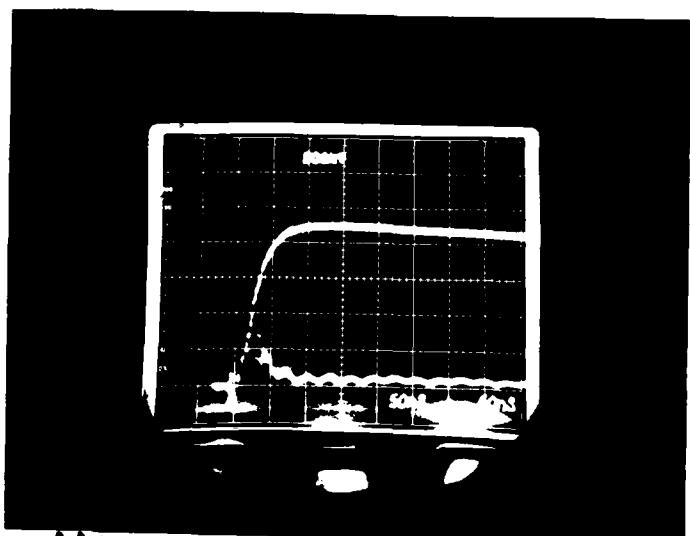


(100)

DATA @ .05V (100V)

Date	6-7-85
Test Point	81+CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:

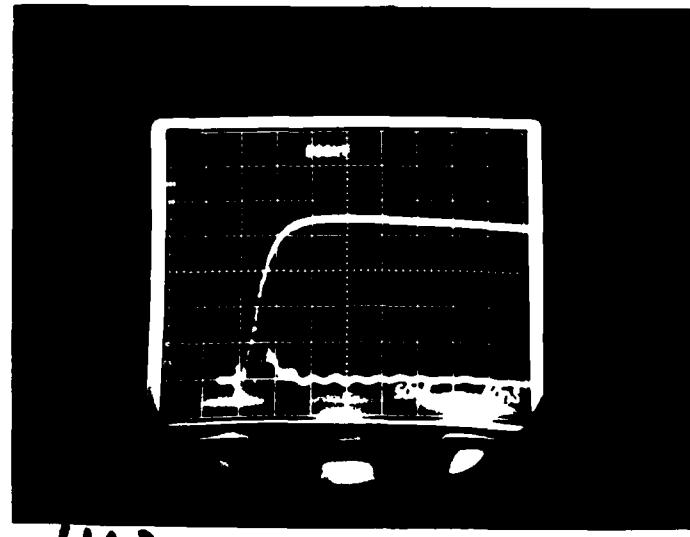


1101

DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:



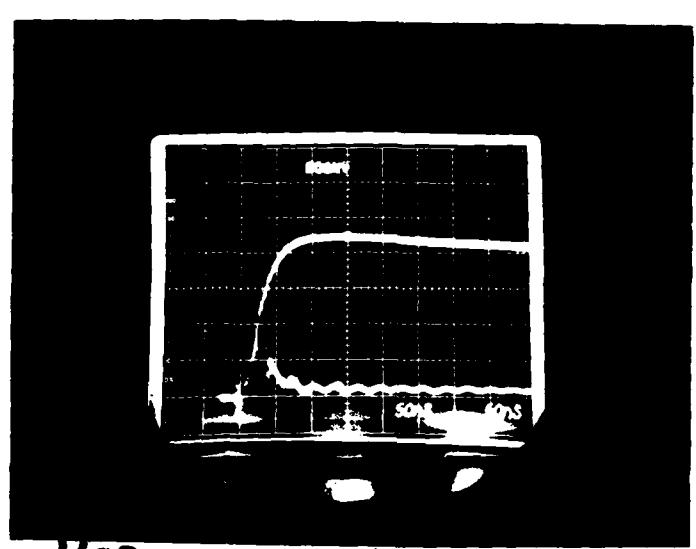
1102

DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

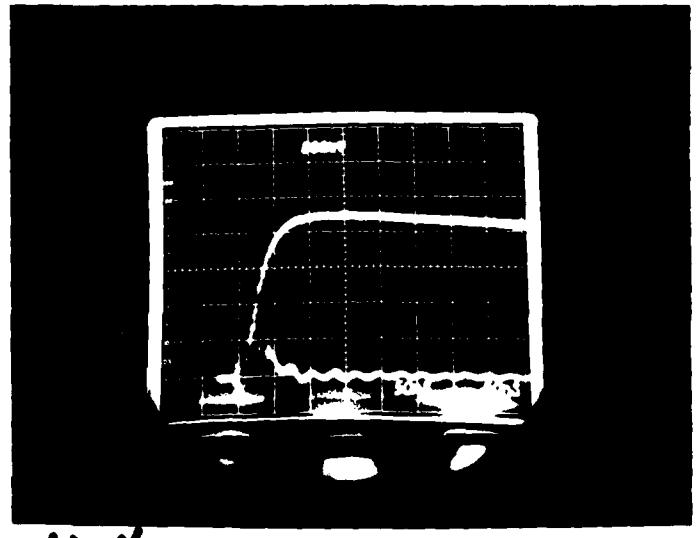
1103



DATA @ .05V (100V)

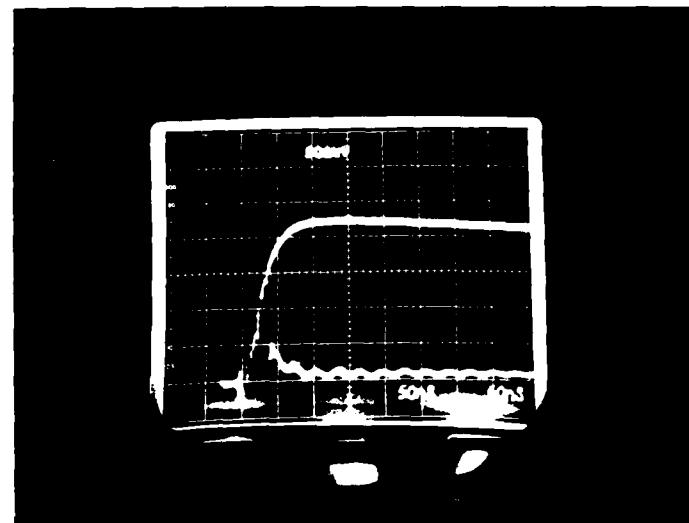
Date	6-7-85
Test Point	81R-CH-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:



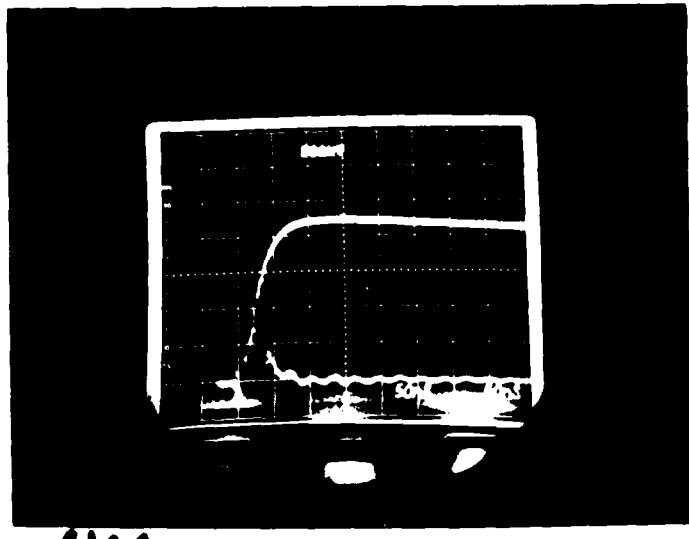
DATA @ .05V (100V)

Date	6-7-85
Test Point	81-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



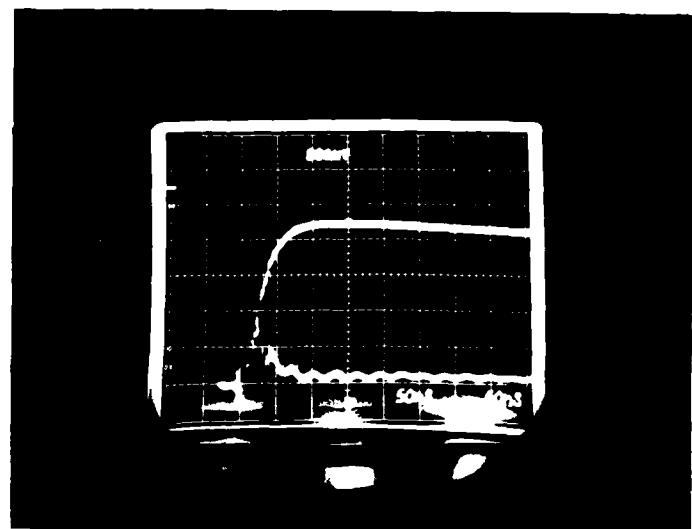
DATA @ .05V (100V)

Date	6-7-85
Test Point	81R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



DATA @ .05V (100V)

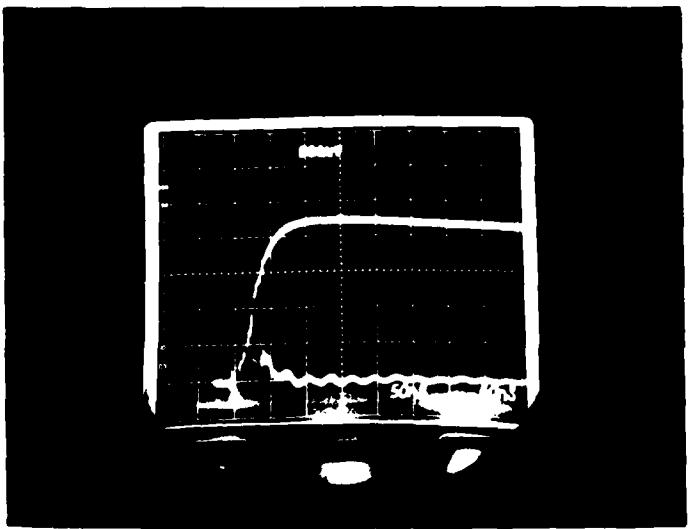
Date	6-7-85
Test Point	81-CH- 1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	1107



1107

DATA @ .05V (100V)

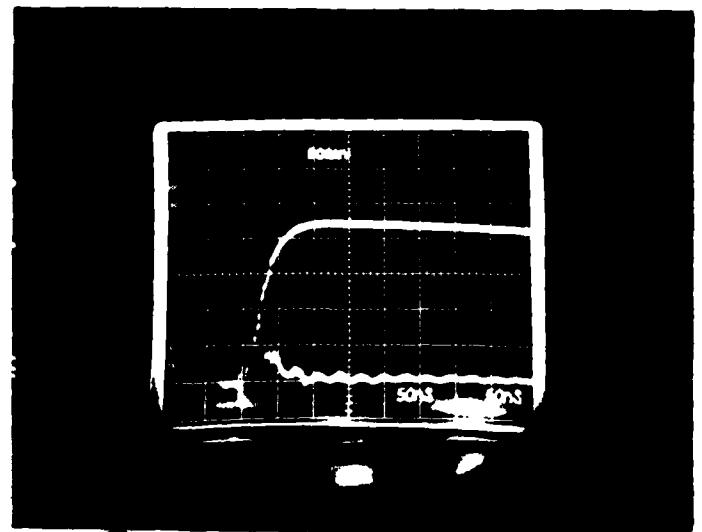
Date	6-7-85
Test Point	81R-CH- 1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	1108



1108

DATA @ .05V (100V)

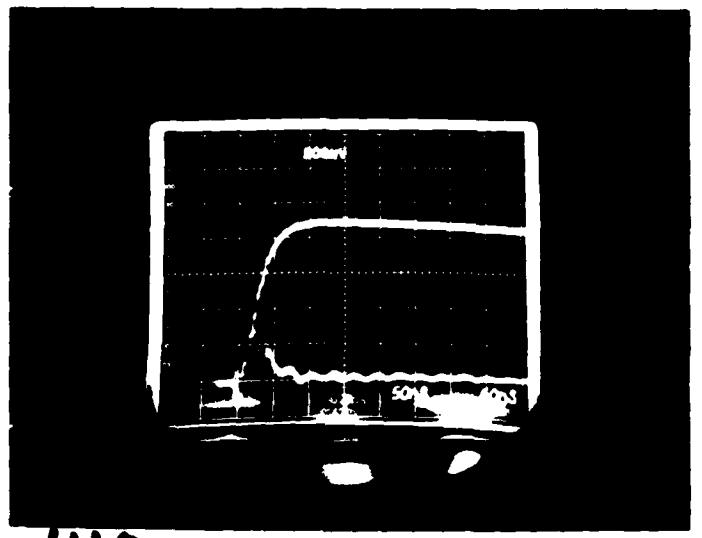
Date	6-10-85
Test Point	84 - CH- Y10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	29



1109

DATA @ -.05V (100V)

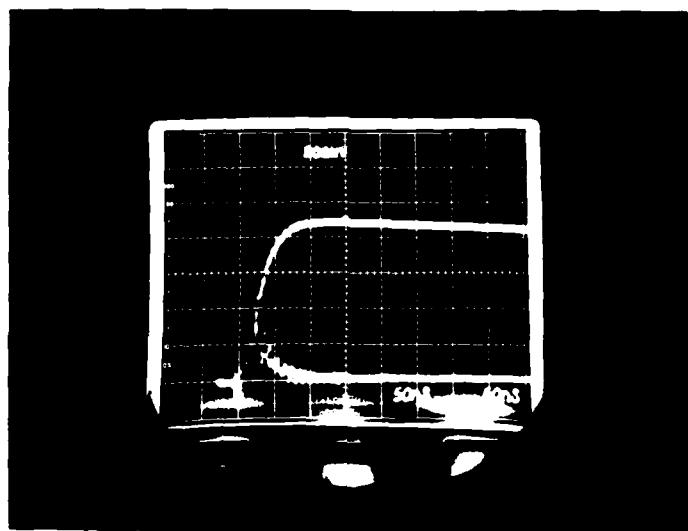
Date	6-10-85
Test Point	84R - CH- Y10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1110

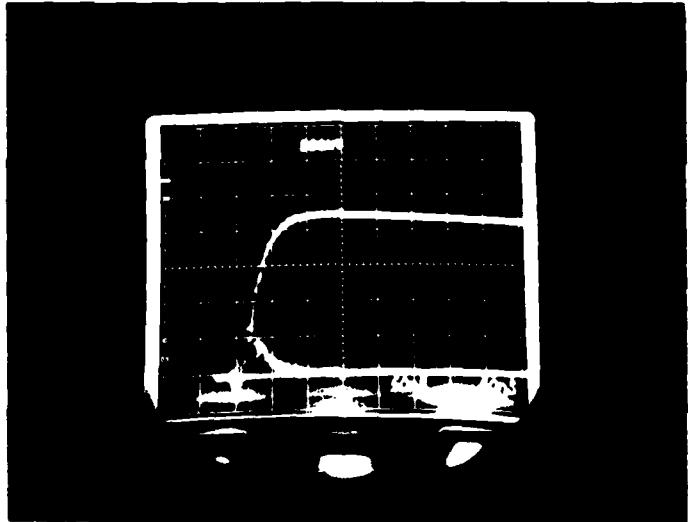
DATA @ .05V (100V)

Date	6-10-85
Test Point	84-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	111



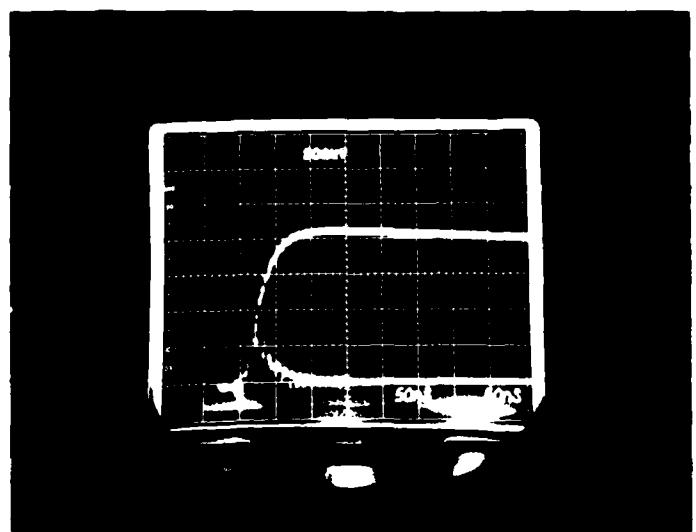
DATA @ .05V (100V)

Date	6-10-85
Test Point	84R-CH-110-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	112



DATA @ .05V (100V)

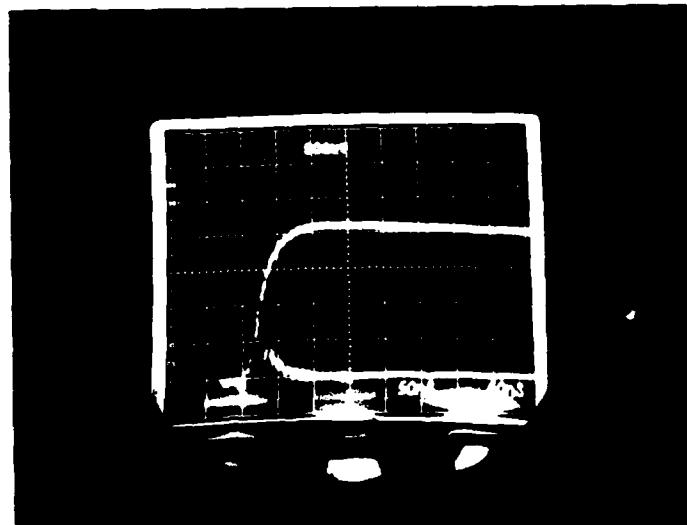
Date	6-10-85
Test Point	84-C4-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1113

DATA @ .05V(100V)

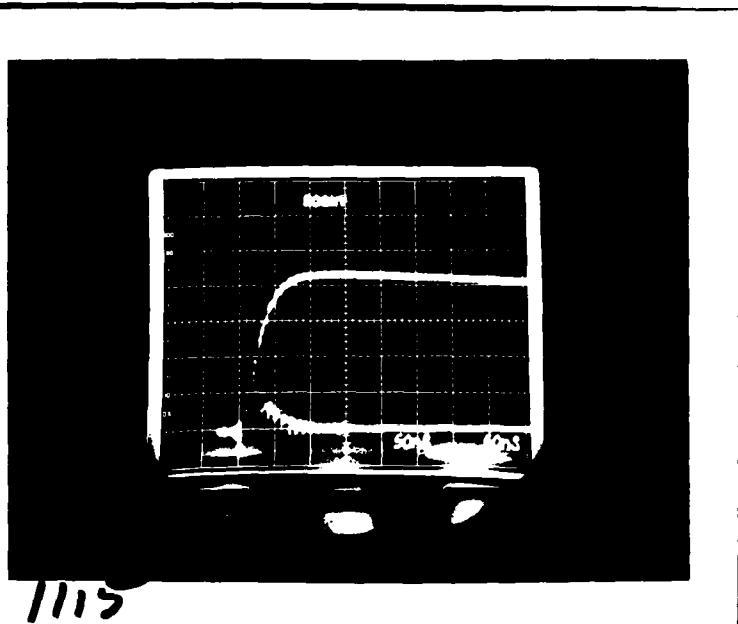
Date	6-10-85
Test Point	84R-C4-1/10-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1114

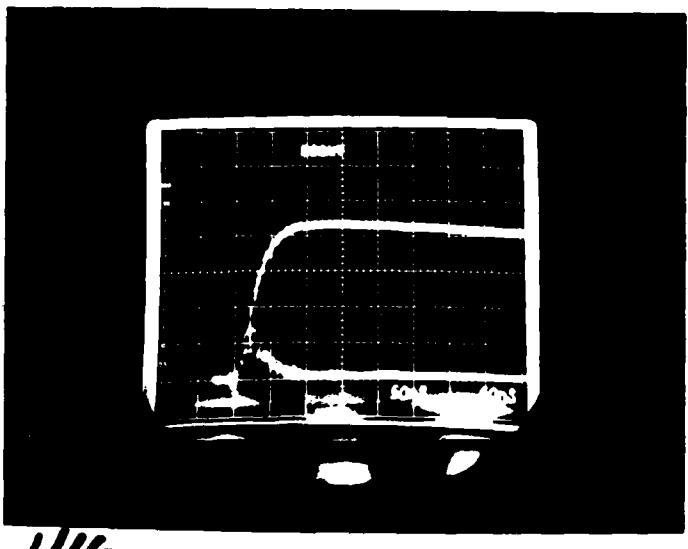
DATA @ .05V(100V)

Date	6-10-85
Test Point	84-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	1115



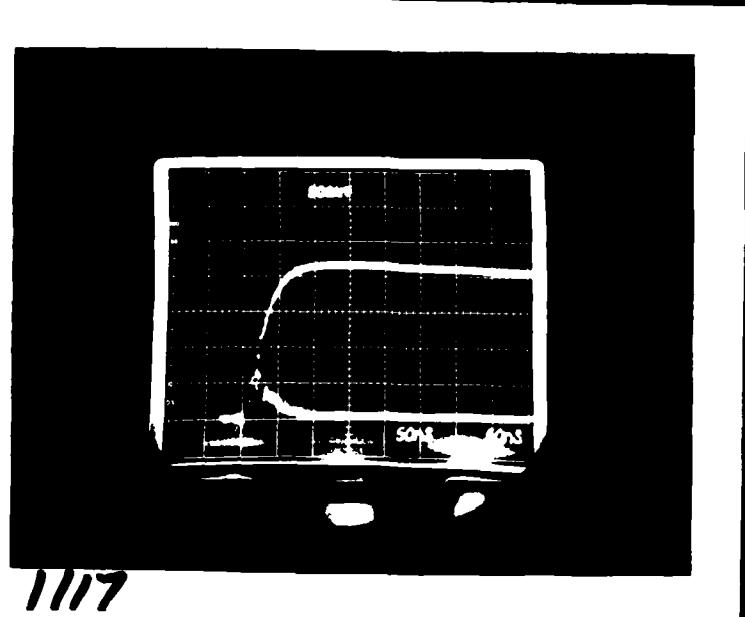
DATA @ .05V(-4500V)

Date	6-10-85
Test Point	84R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	1116



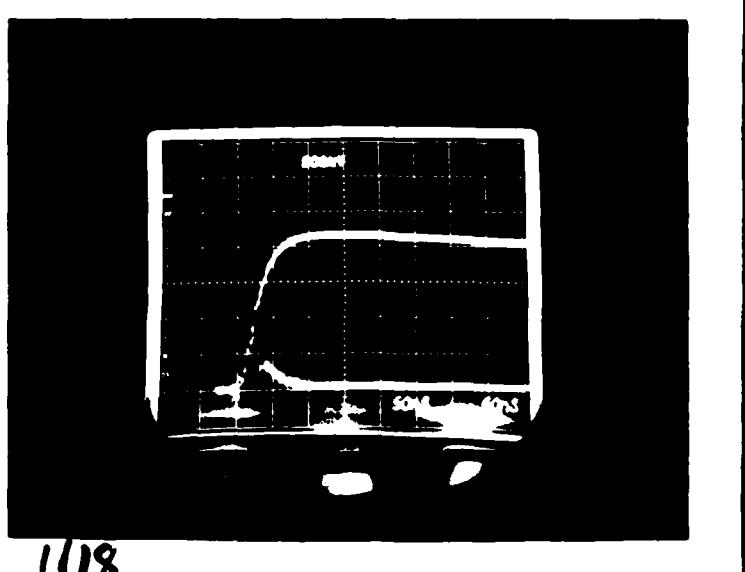
DATA @ .05V(100V)

Date	6-10-85
Test Point	84-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1117



DATA @ .05V (100V)

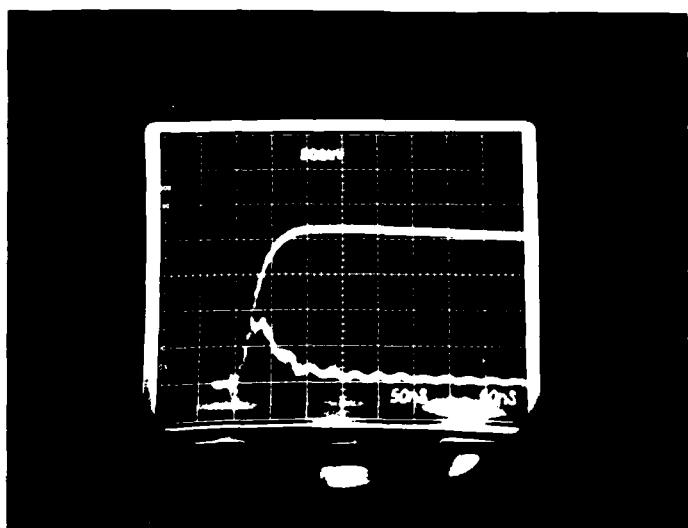
Date	6-10-85
Test Point	84R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1118



DATA @ .05V (100V)

Date	6-10-85
Test Point	87-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

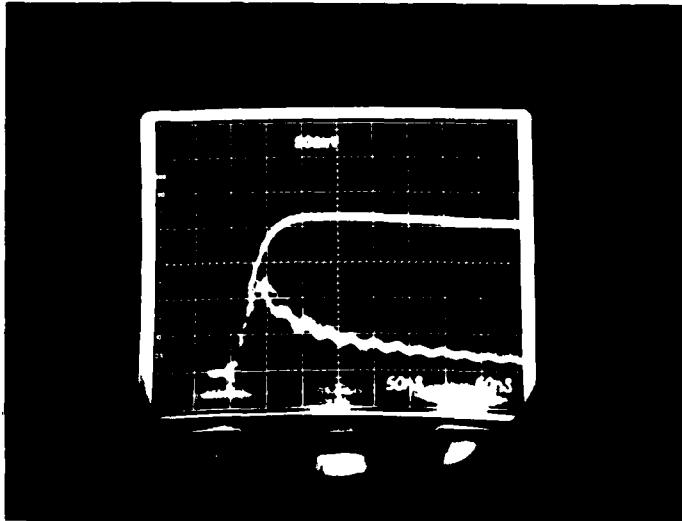
1119



DATA @ .05V (100V)

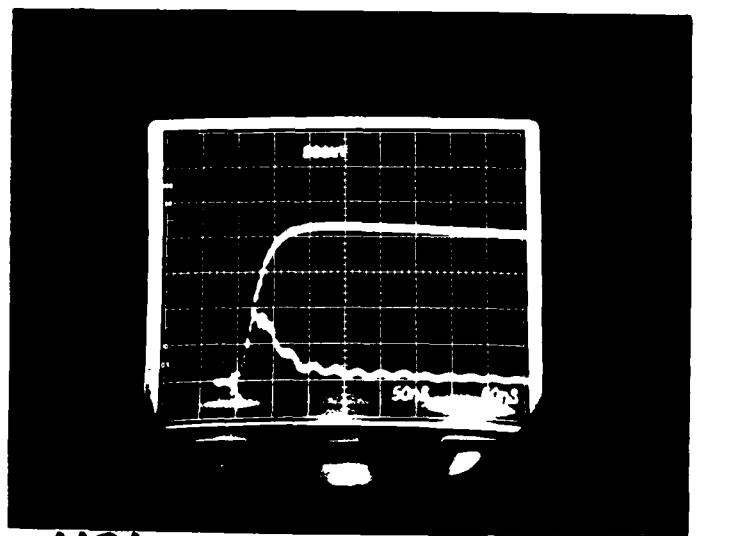
Date	6-10-85
Test Point	87R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

1120



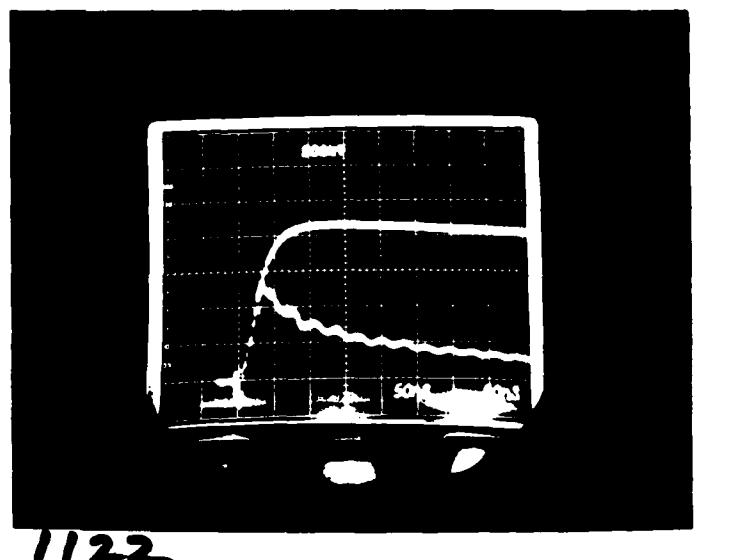
DATA @ .05V (100V)

Date	6-10-85
Test Point	87-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1121



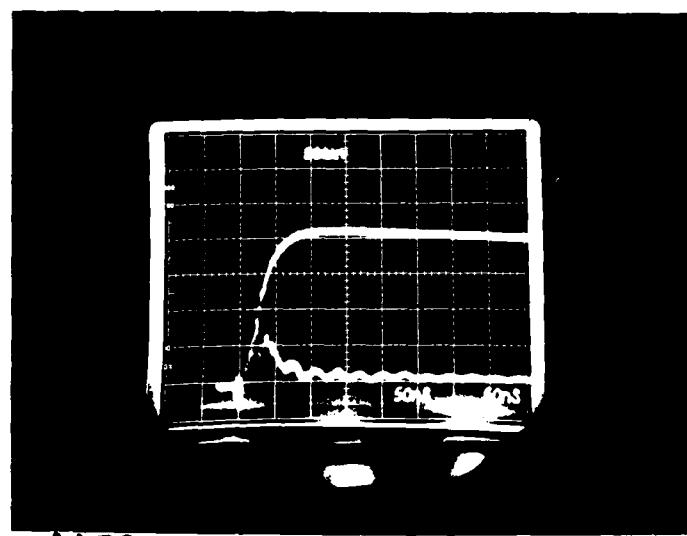
DATA @ .05V (100V)

Date	6-10-85
Test Point	87R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1122



DATA @ .05V (100V)

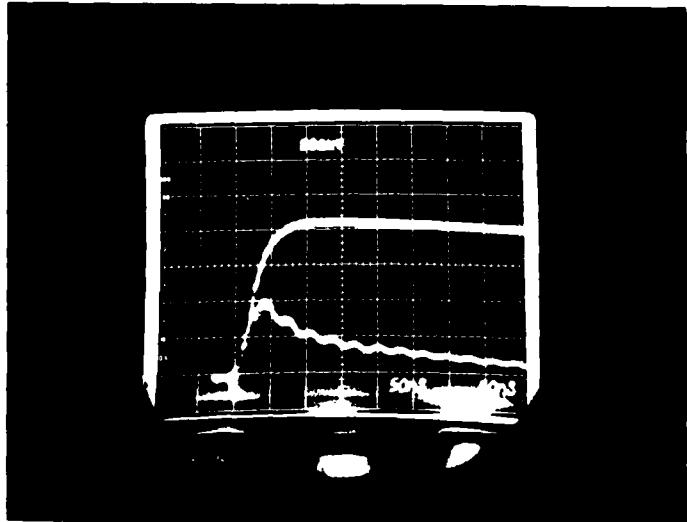
Date	6-10-85
Test Point	90 - CH - Y10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1123



1123

DATA @ .105V (100V)

Date	6-10-85
Test Point	90R - CH - Y10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1124

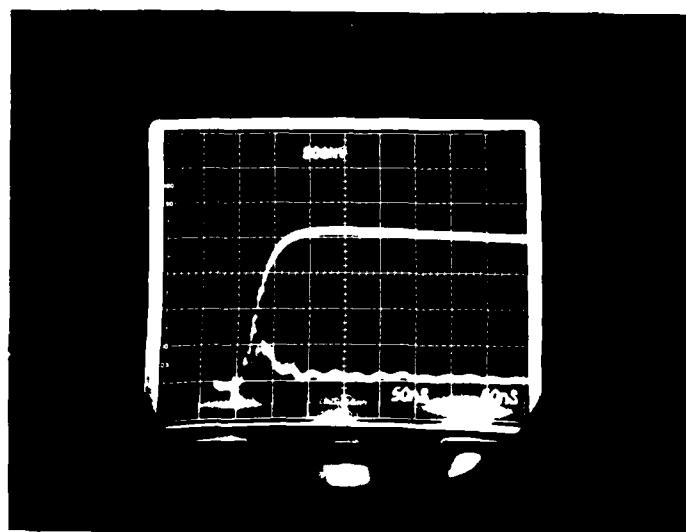


1124

DATA @ .05V (100V)

Date	6-10-85
Test Point	90-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1125

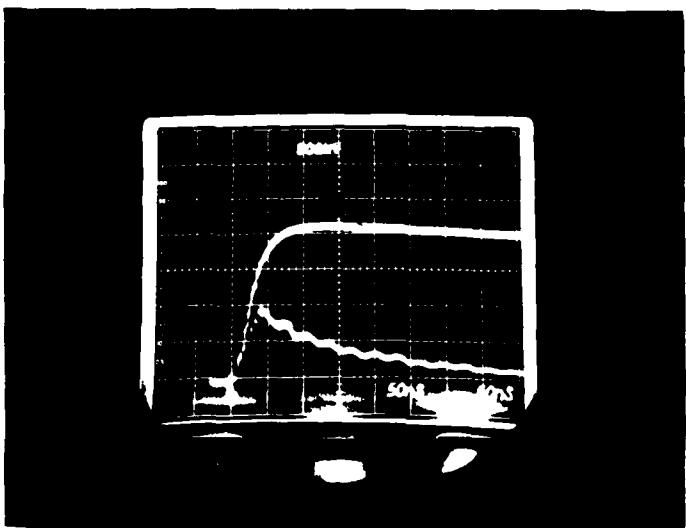


1125

DATA @ .05V (100V)

Date	6-10-85
Test Point	90R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

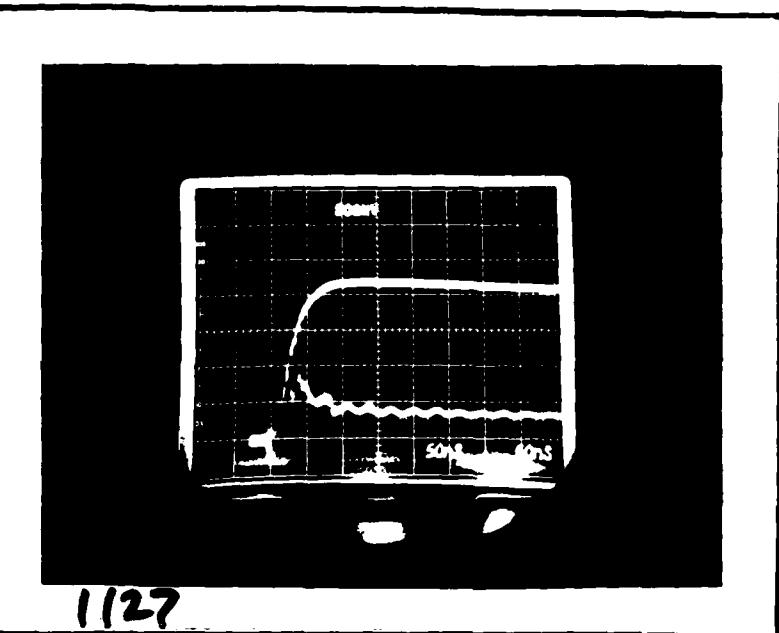
1126



1126

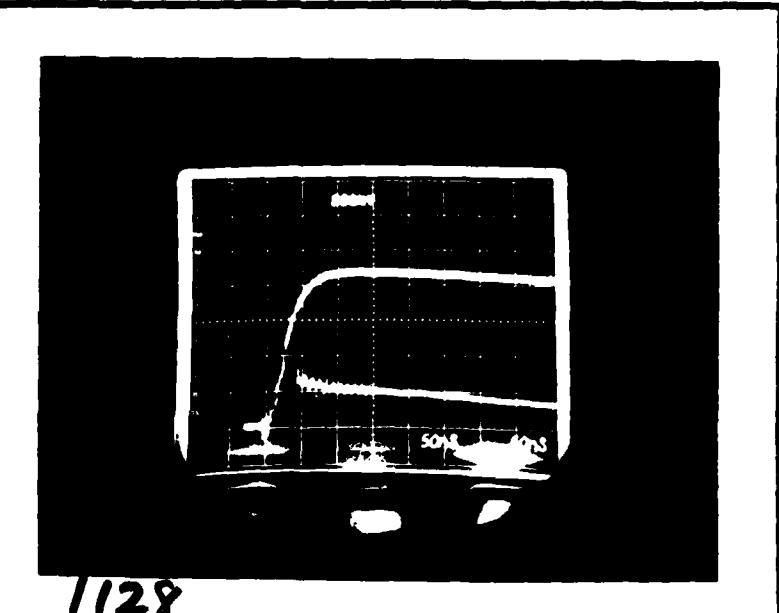
DATA @ .05V (100V)

Date	6-10-85
Test Point	93 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1127



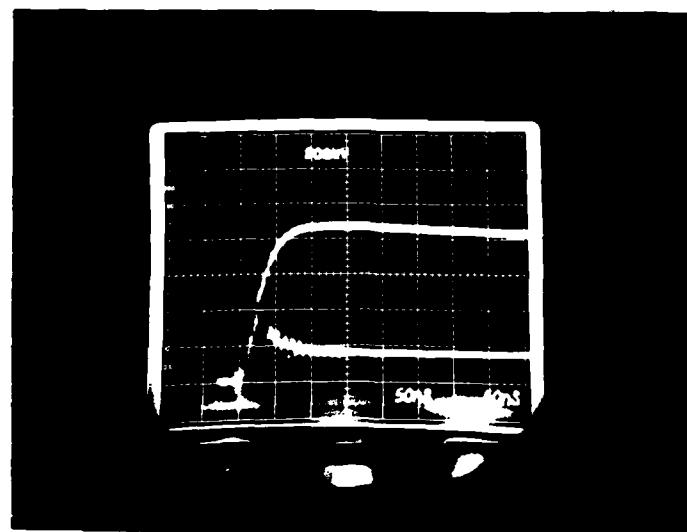
DATA @ .05V(100V)

Date	6-10-85
Test Point	93R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1128



DATA @ .05V(100V)

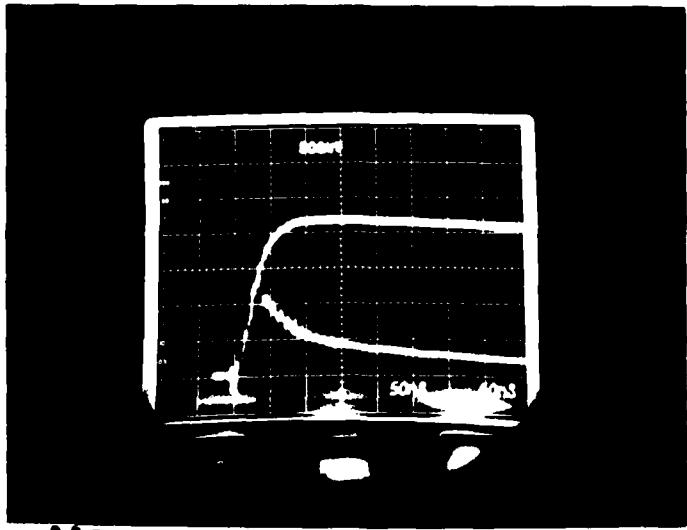
Date	6-10-85
Test Point	93-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	11/27



1/129

DATA @ .05V(100V)

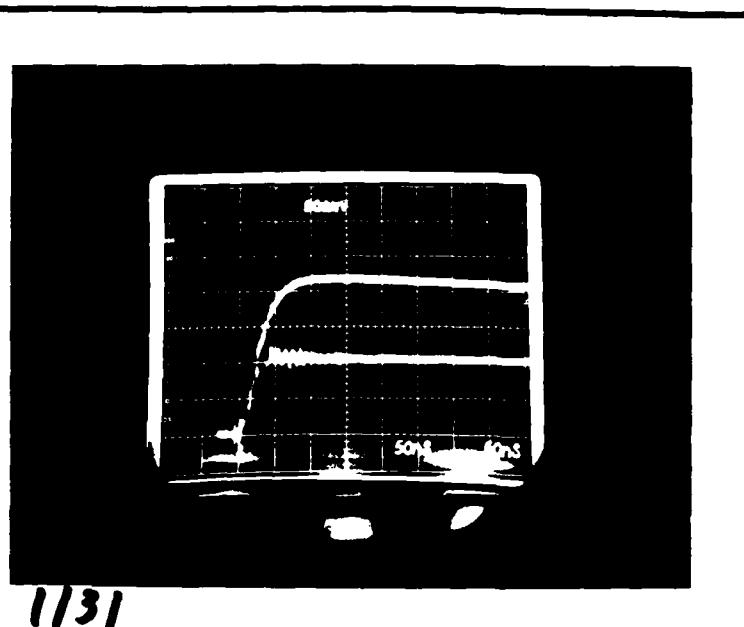
Date	6-10-85
Test Point	93R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	11/29



1/130

DATA @ .05V(100V).

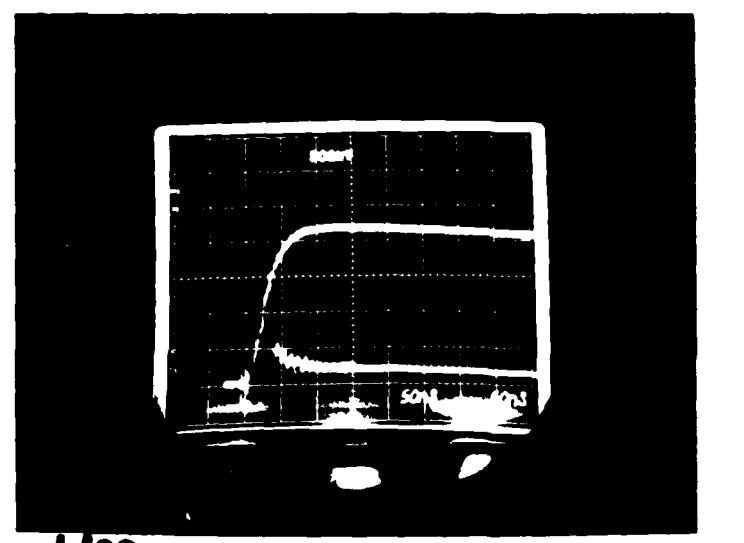
Date	6-10-85
Test Point	99-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



1131

DATA @ .05V (100V)

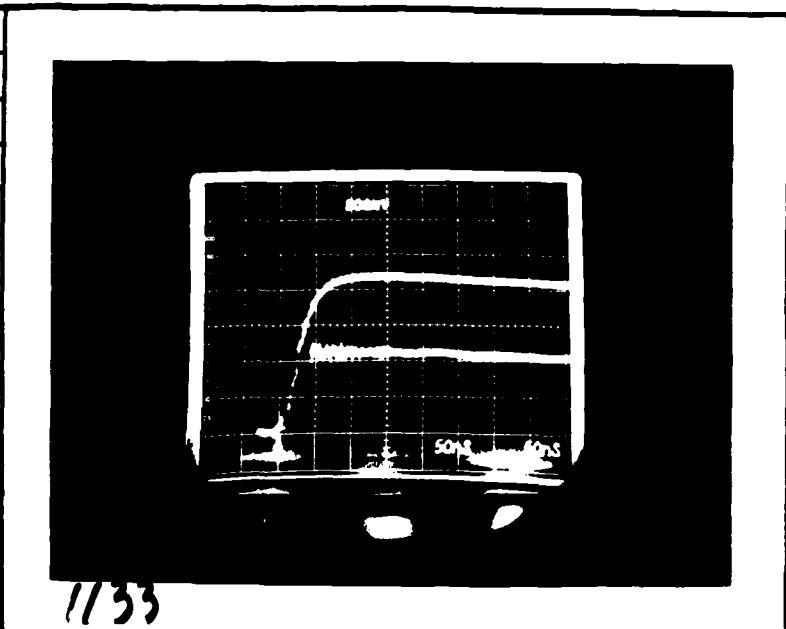
Date	6-10-85
Test Point	99R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



1132

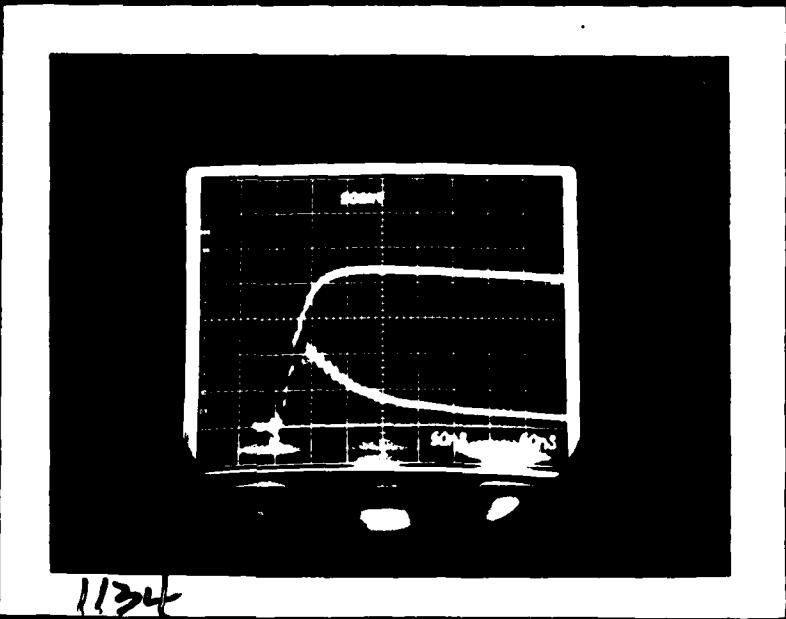
DATA @ .05V (100V)

Date	6-10-85
Test Point	99. CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	1/33



DATA @ .05V (100V)

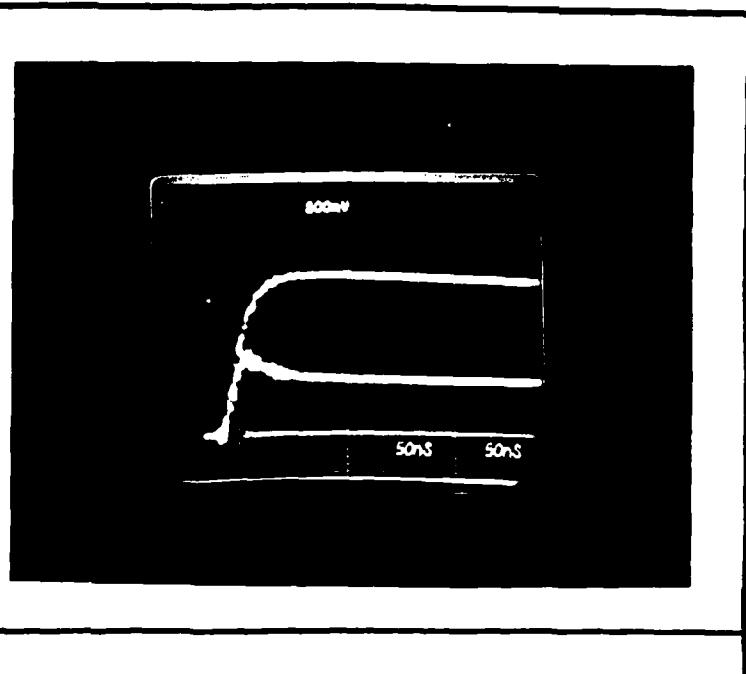
Date	6-10-85
Test Point	99R - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1/34



DATA @ .05V (100V)

Date	6-11-85
Test Point	101 - C14 - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

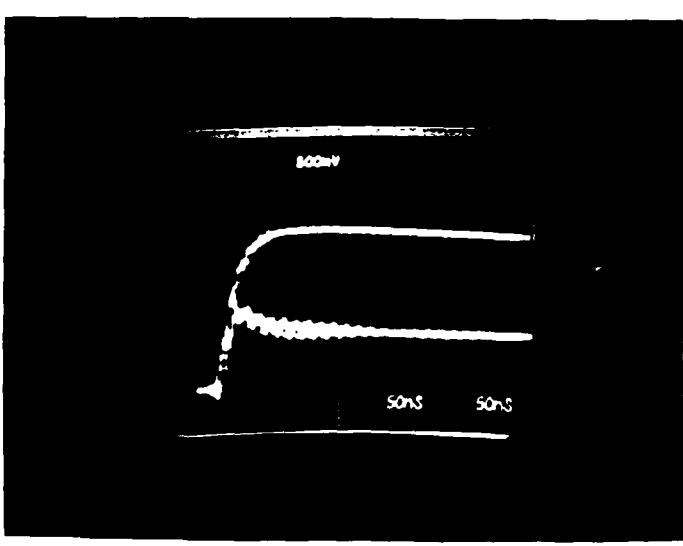
Comments: 1201



DATA @ .1V(200V)

Date	6-11-85
Test Point	101R - C14 - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments: 12

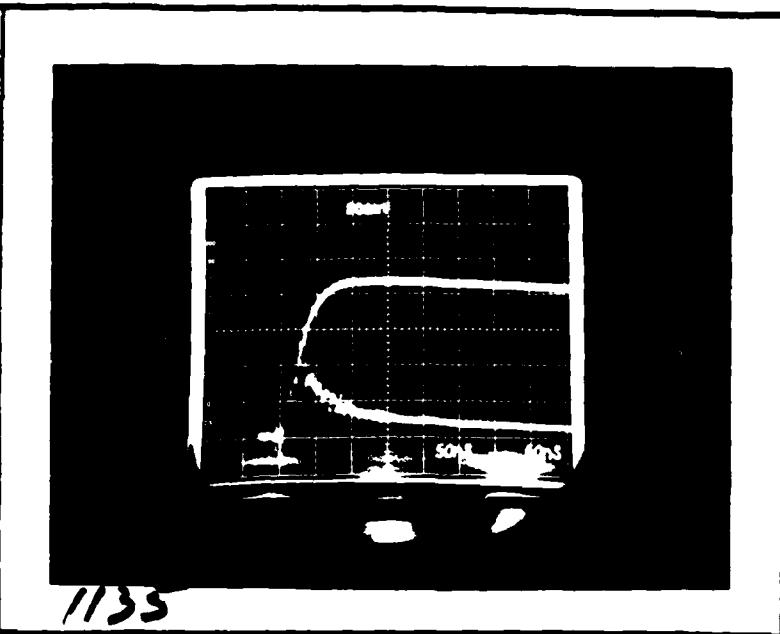


DATA @ .1VOLT (200V)

Date	6-10-85
Test Point	102 - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	

Comments:

1135



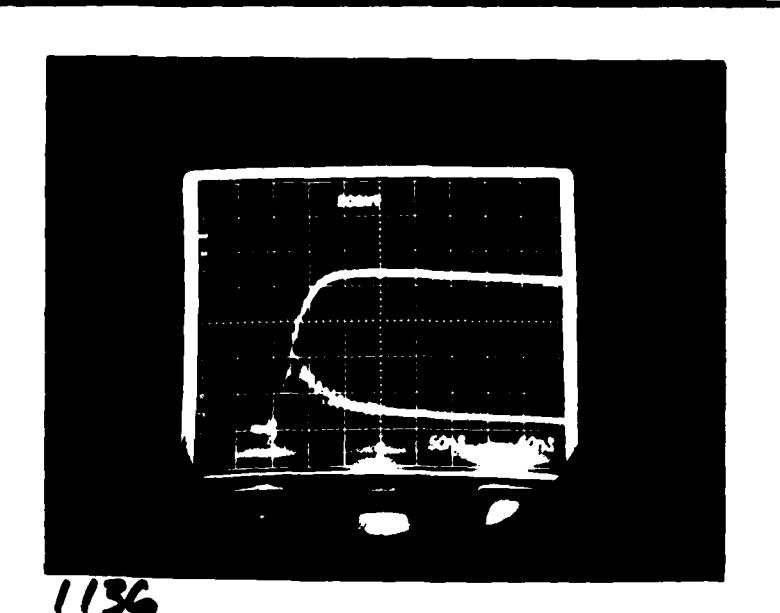
1135

DATA @ .05V(100V)

Date	6-10-85
Test Point	102R - CH - 1/10 - A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:

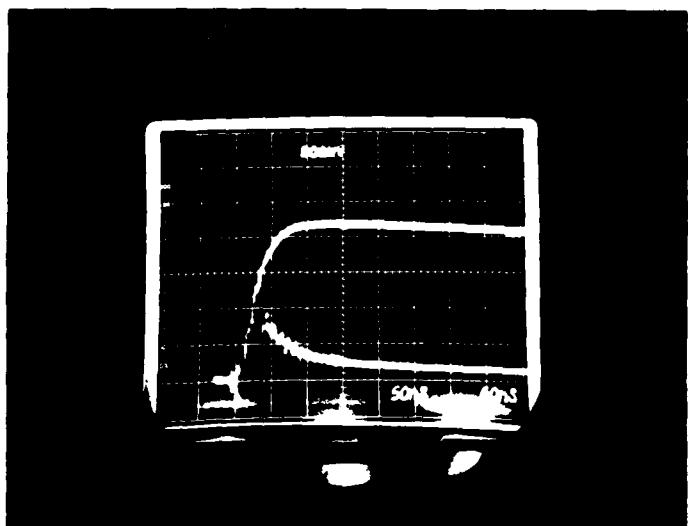
1136



1136

DATA @ .05V(100V)

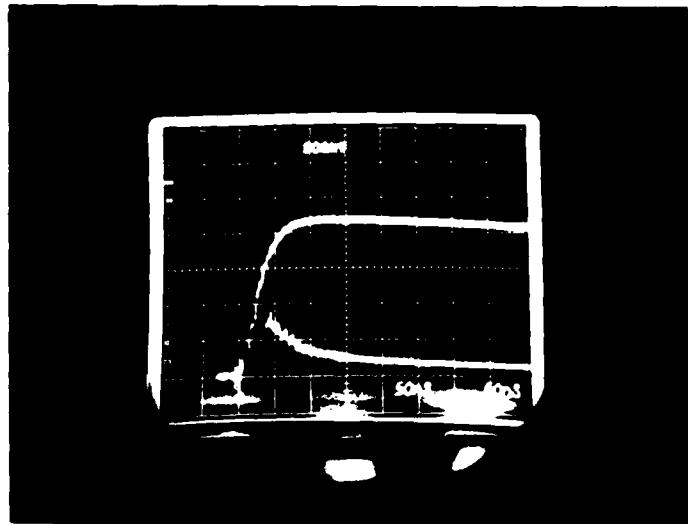
Date	6-10-85
Test Point	102 - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1137



1137

DATA @ .05V(100V)

Date	6-10-85
Test Point	102R - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1138

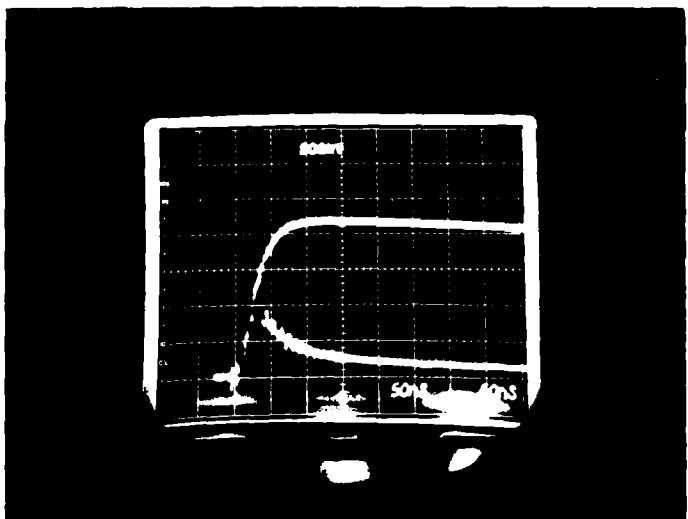


1138

DATA @ .05V(100V)

Date	6-10-85
Test Point	102 - CH - 1/10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	

Comments: 1137

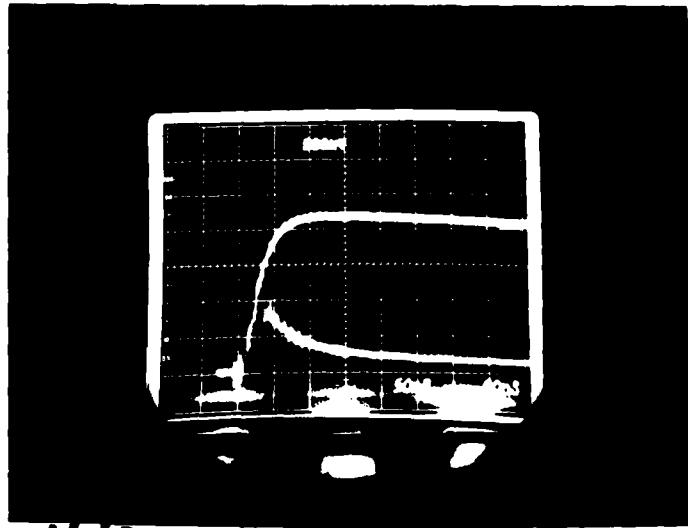


1139

DATA @ .05V (100V)

Date	6-10-85
Test Point	102R - CH - 1/10 - C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	

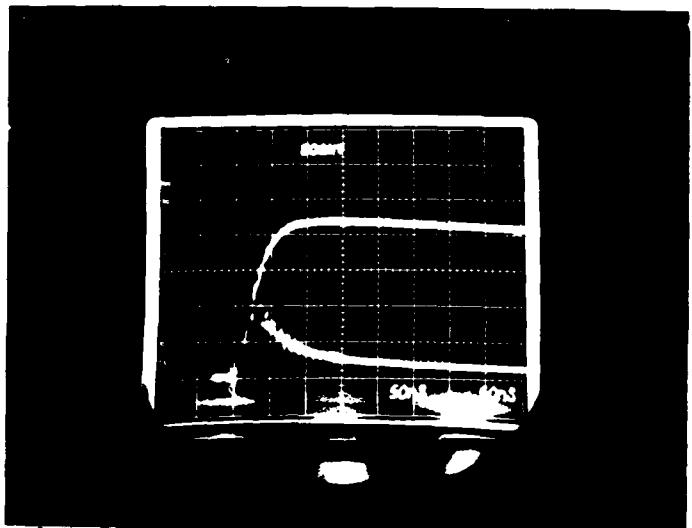
Comments: 1140



1140

DATA @ .05V (100V)

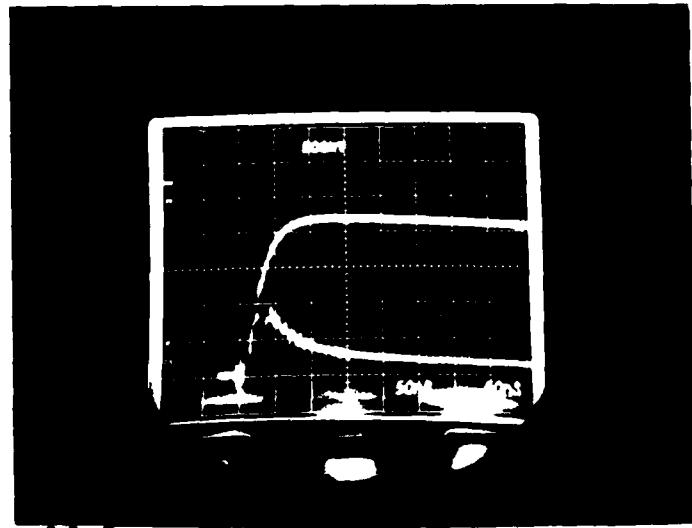
Date 6-10-85
 Test Point 102 - CH - 1/10 - D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level +4500V
 Data Link
 Comments:



1141

DATA @ .05V(100V)

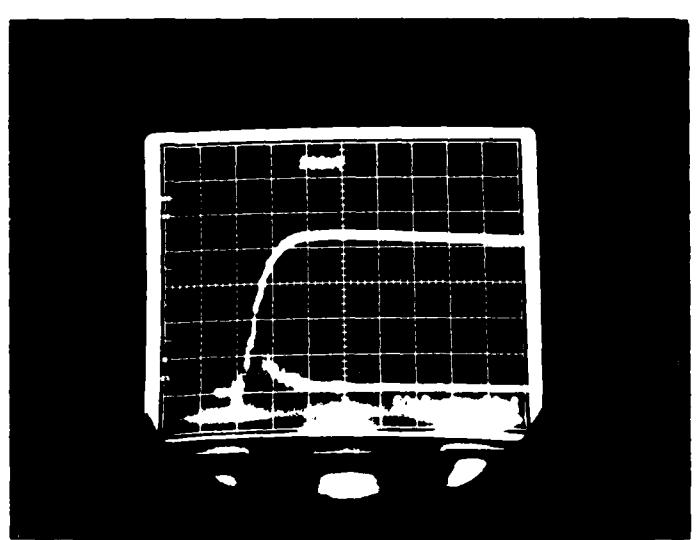
Date 6-10-85
 Test Point 102R - CH - 1/10 - D
 Amplification dB
 Attenuation 20 dB
 Horizontal 50 ns/div 1
 Vertical .5V(1000V) mV/div 1
 Horizontal ns/div 2
 Vertical ns/div 2
 Configuration
 Pulser Level -4500V
 Data Link
 Comments:



1142

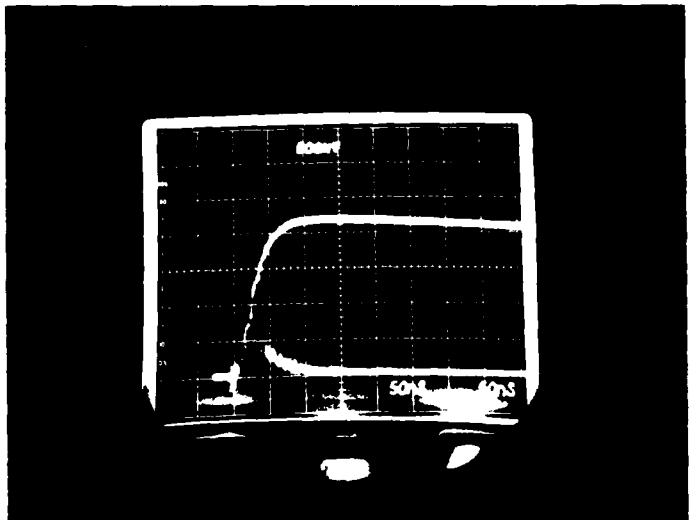
DATA @ .05V(100V)

Date	6-10-85
Test Point	104-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1143



DATA @ .05V (100V)

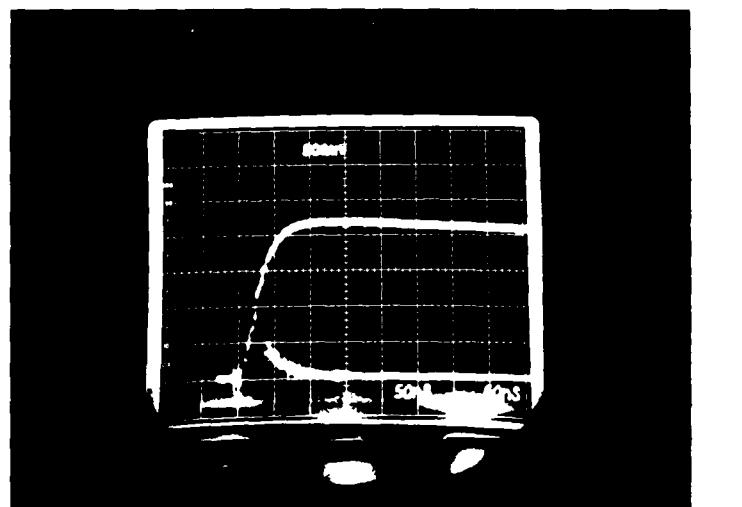
Date	6-10-85
Test Point	104R-CH-1/10-A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1144



DATA @ .05V (100V)

Date	6-10-85
Test Point	104 - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	

1145

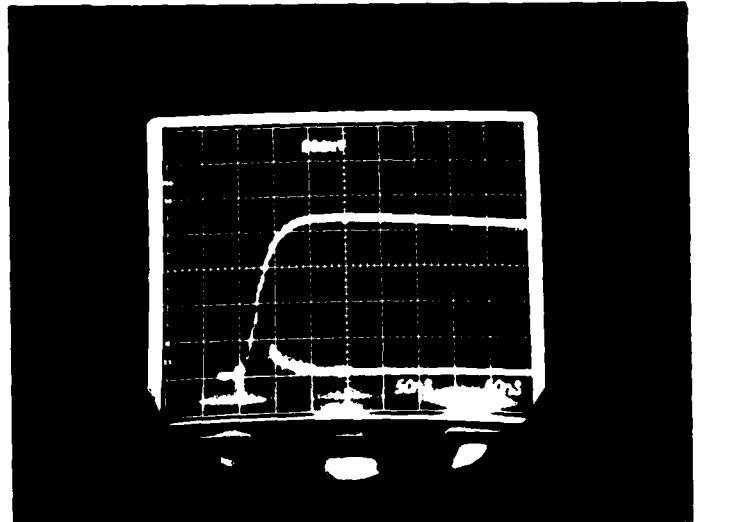


1145

DATA @ .05V (100V)

Date	6-10-85
Test Point	104R - CH - 1/10 - B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

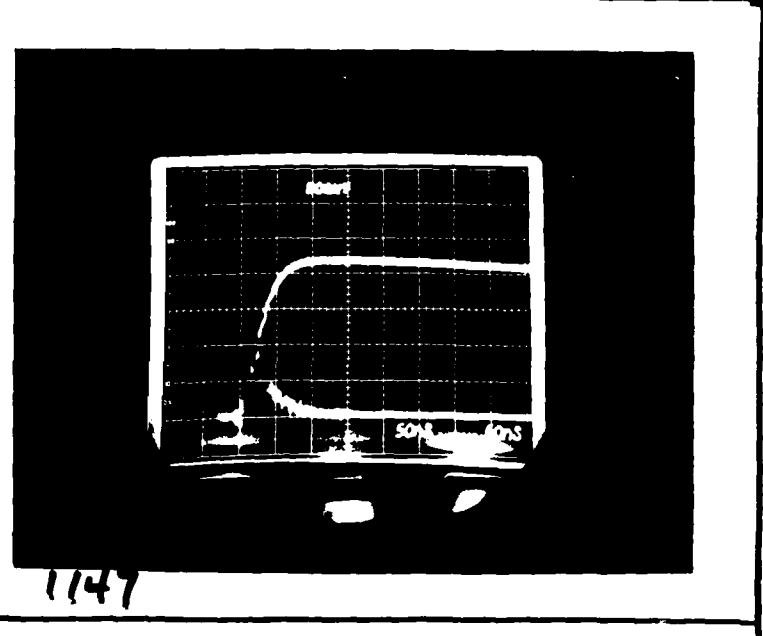
1146



1146

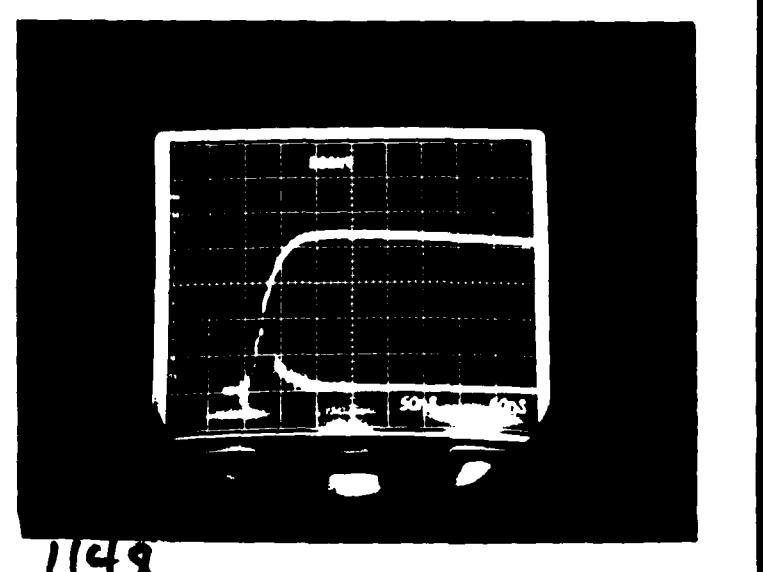
DATA @ .05V (100V)

Date	6-10-85
Test Point	104-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



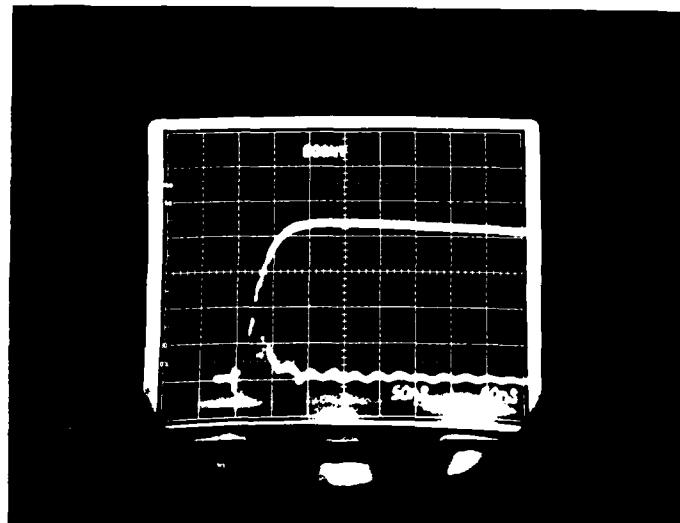
DATA @ .05V (100V)

Date	6-10-85
Test Point	104R-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	



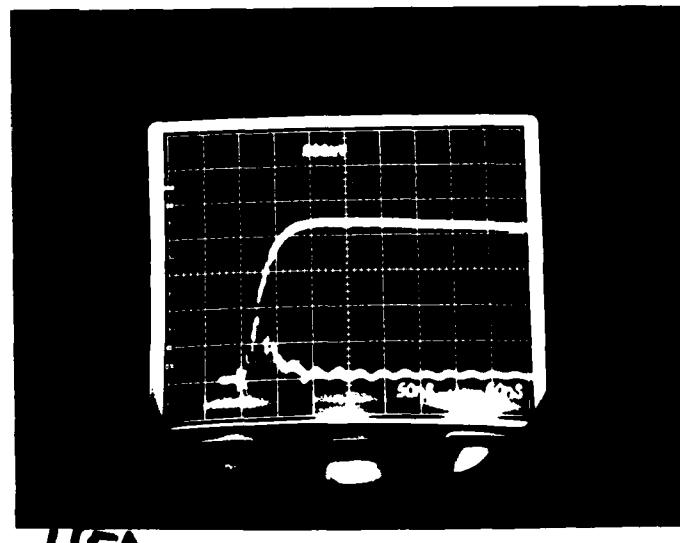
DATA @ .05V (100V)

Date	6-10-85
Test Point	104-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1149



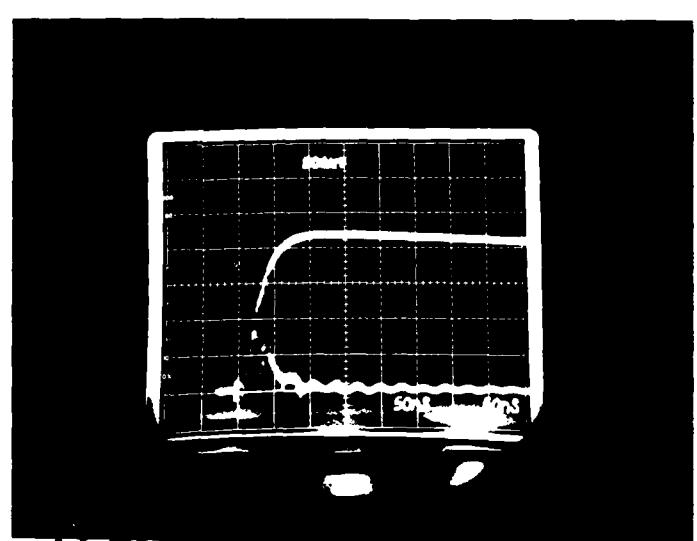
DATA @ .05V (100V)

Date	6-10-85
Test Point	104R-CH-1/10-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1150



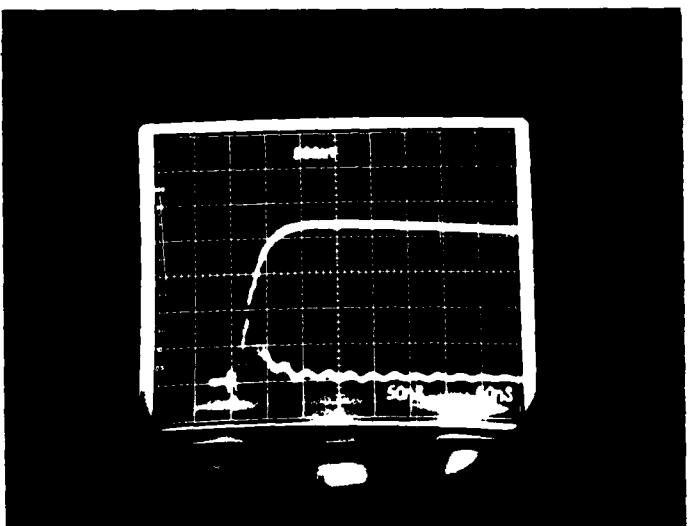
DATA @ .05V (100V)

Date	6-10-85
Test Point	104-C4-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1151



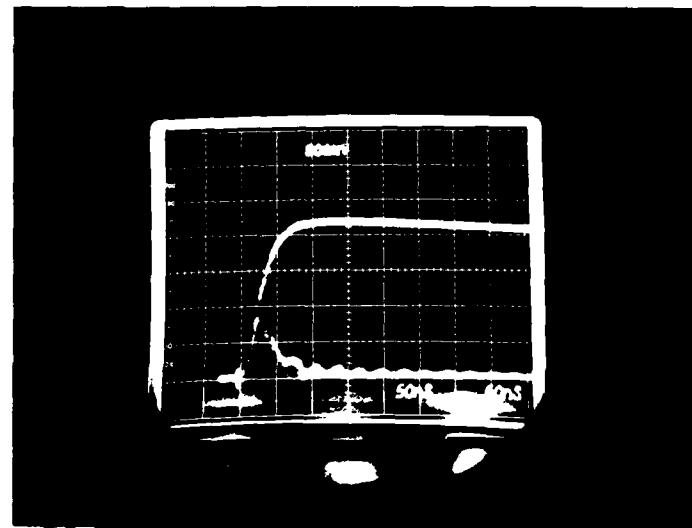
DATA @ .05V(100V)

Date	6-10-85
Test Point	104R-C4-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1152



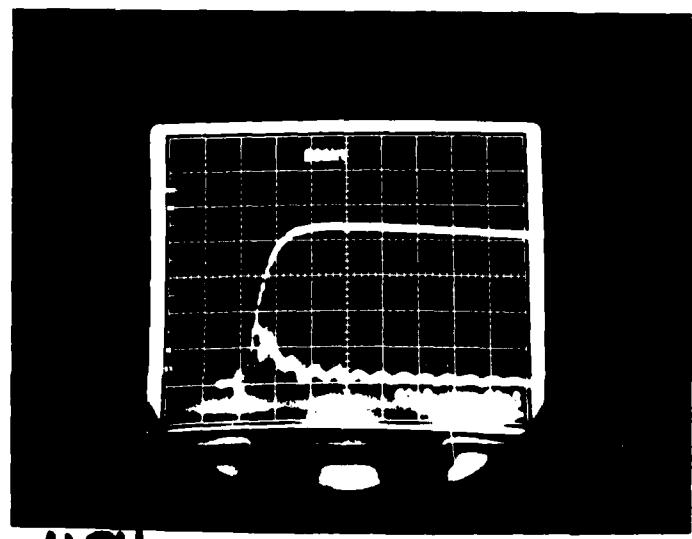
DATA @ .05V(100V)

Date	6-10-85
Test Point	107-CH-110-A
Amplification	48
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	



DATA @ .05V(100V)

Date	6-10-85
Test Point	107R-CH-110-A
Amplification	48
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) -mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	

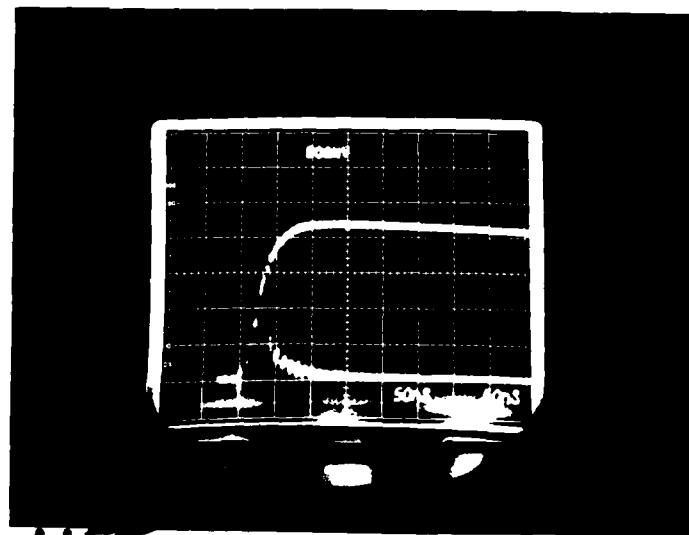


DATA @ .05V(100V)

Date	6-10-85
Test Point	107-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments:
1155

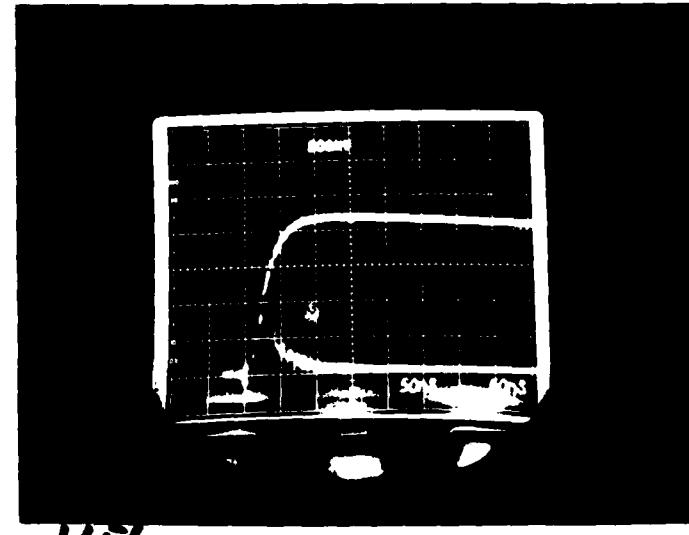
DATA @ .05V(100V)



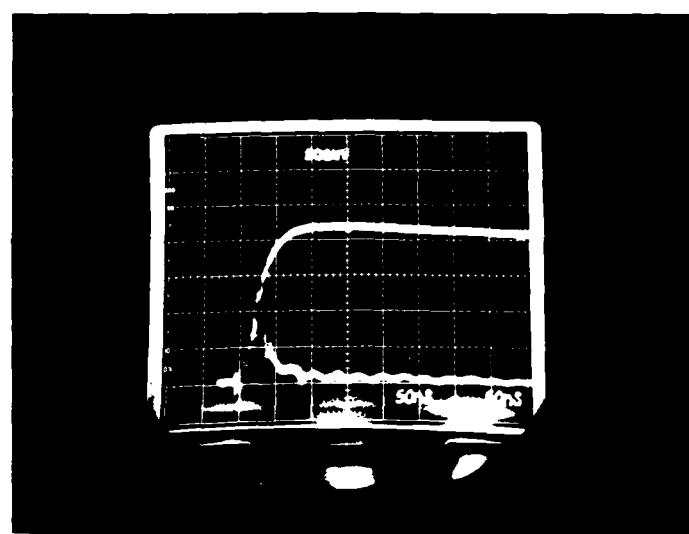
Date	6-10-85
Test Point	107R-CH-1/10-B
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

Comments:
1156

DATA @ .05V (100V)



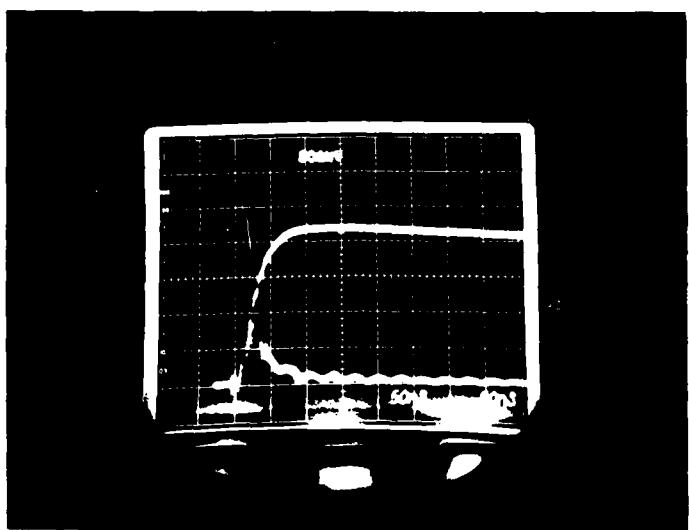
Date	6-10-85
Test Point	107-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1157



1157

DATA @ .105V (100V)

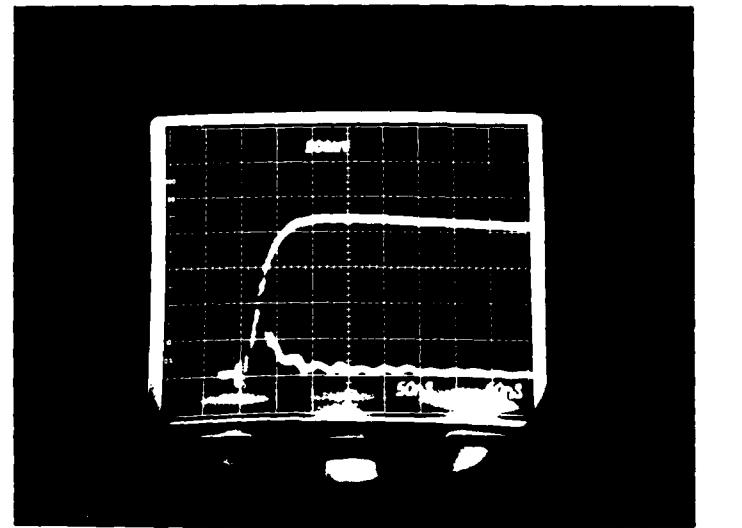
Date	6-10-85
Test Point	107R-CH-110-C
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1158



1158

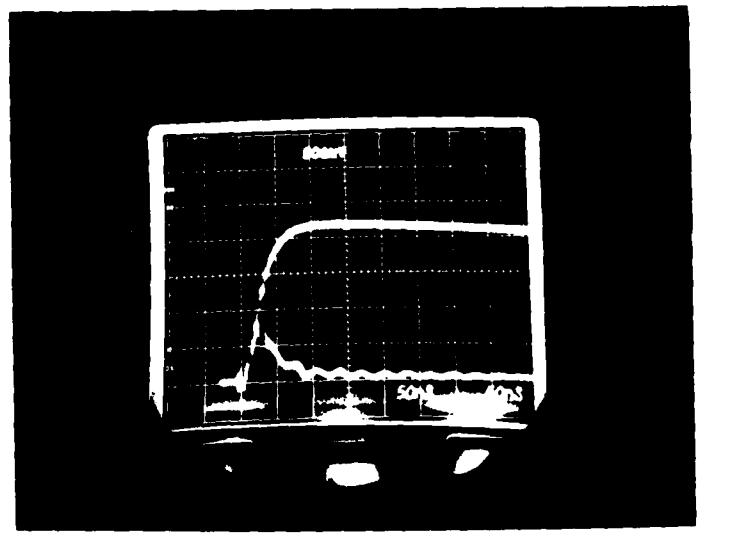
DATA @ .105V (100V)

Date	6-10-85
Test Point	107-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1159



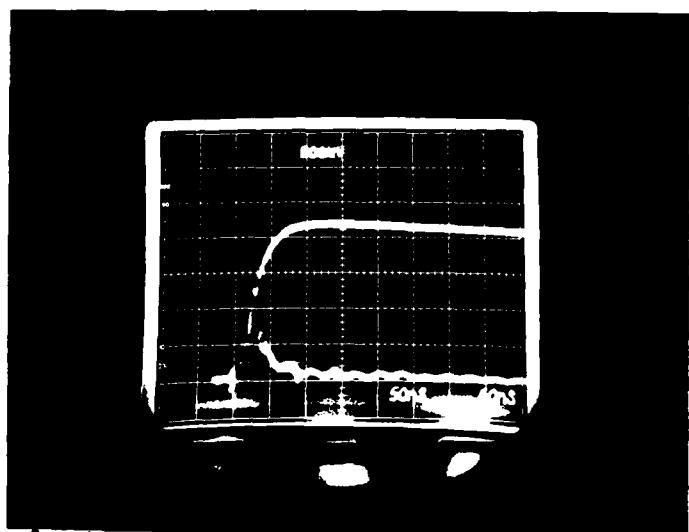
DATA @ .05V (100V)

Date	6-10-85
Test Point	107R-CH-110-D
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(100V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1160



DATA @ .05V (100V)

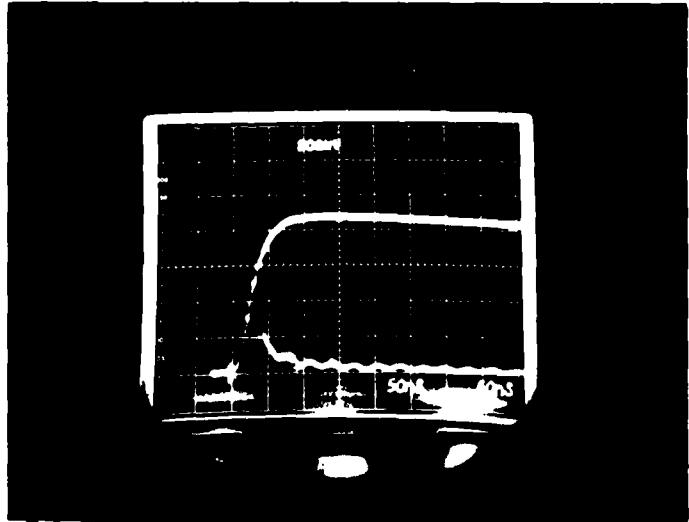
Date	6-10-85
Test Point	107-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	1161



1161

DATA @ .05V(100V)

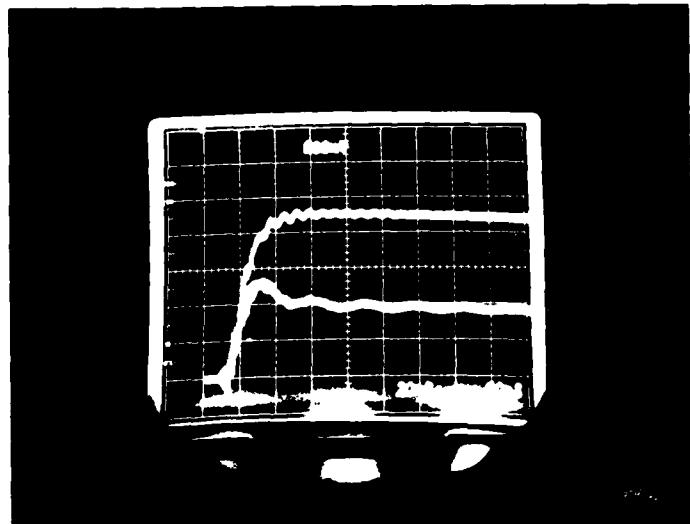
Date	6-10-85
Test Point	107R-CH-1/10-E
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	1162



1162

DATA @ .05V(100V)

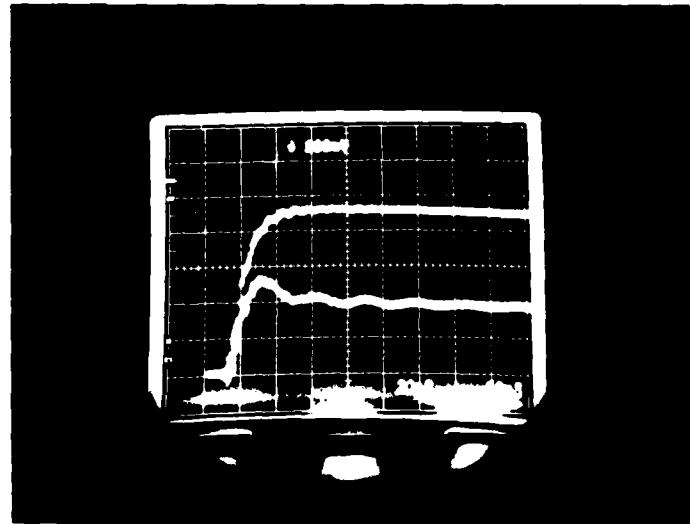
Date	6-11-85
Test Point	109-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	+4500V
Data Link	
Comments:	1217



1217

DATA @ .1V (200V)

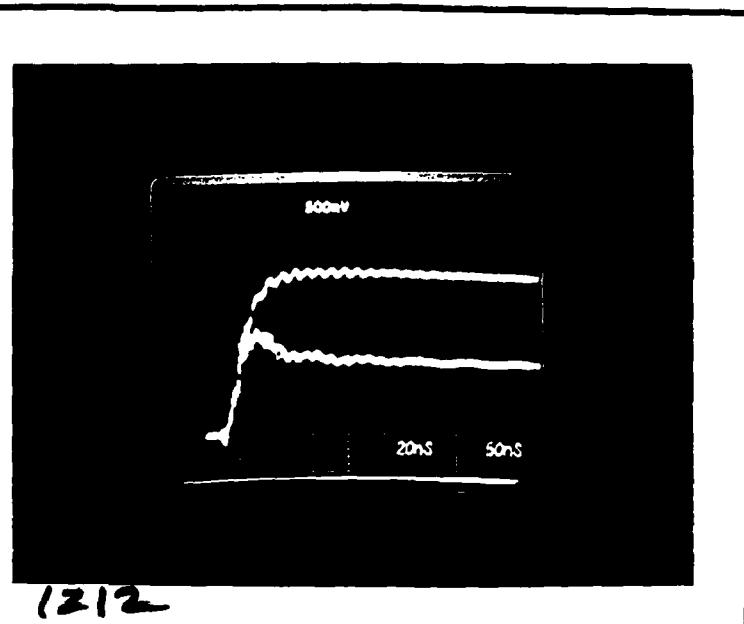
Date	6-11-85
Test Point	109R-CH-1/10 - φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulse Level	-4500V
Data Link	
Comments:	1218



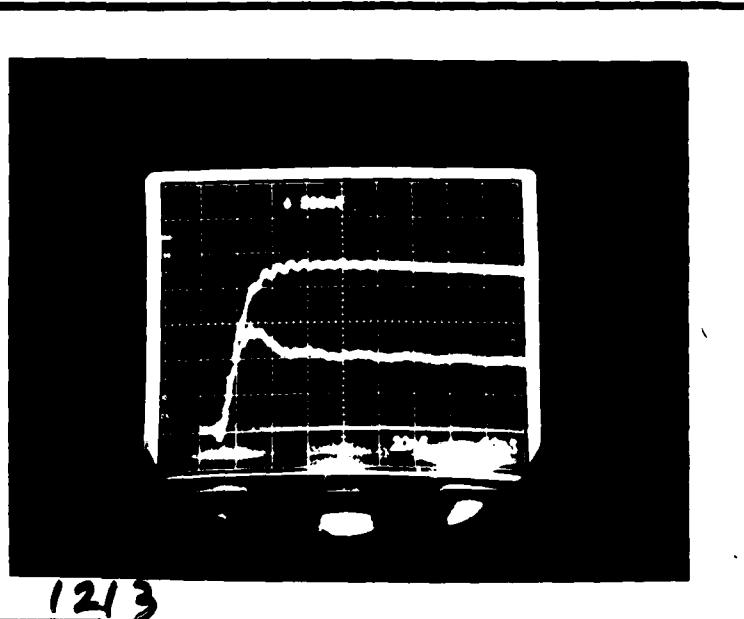
1218

COMMON LEAD
DATA @ .1 (200V)

Date	6-11-85
Test Point	109-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	" COMMITED " "ZERO"
	"HOT"
	DATA @ .1 (200V)



Date	6-11-85
Test Point	109R-CH-1/10-φ
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	
Comments:	" COMMITED " 1213 "ZERO" HOT
	DATA @ .1 (200V)

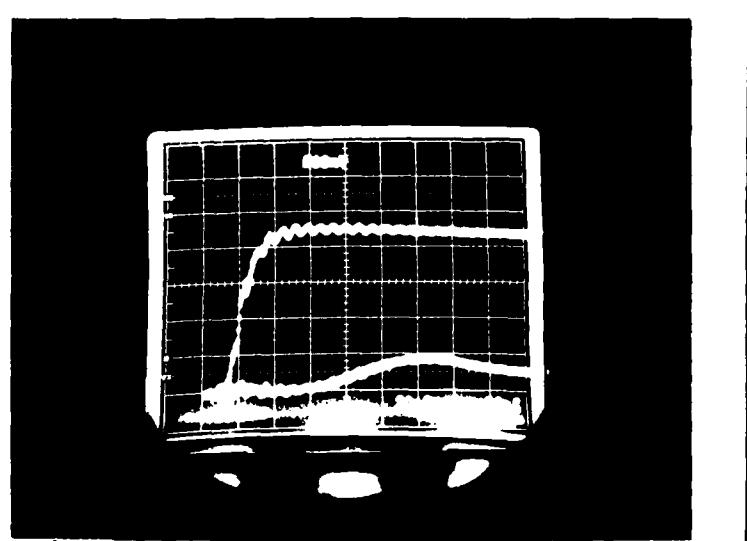


Date	6-11-85
Test Point	110 - CH - Y10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	

Comments: 1214

HOT LEAD

DATA @ .5V(1000V)

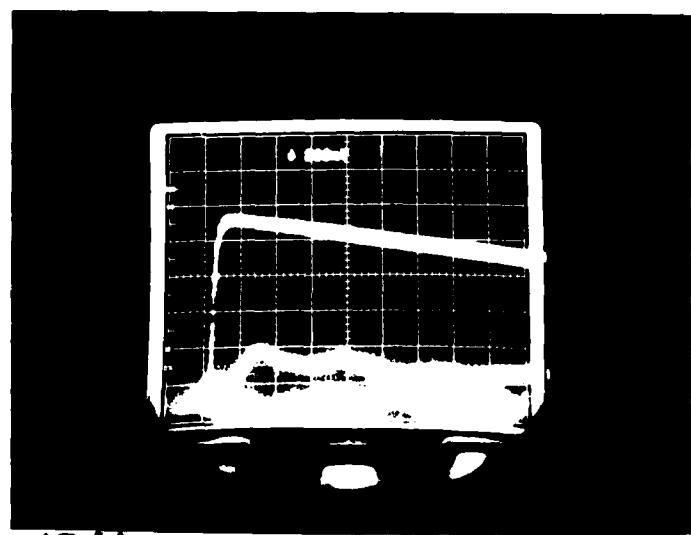


Date	6-11-85
Test Point	110R - CH - Y10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	2.0 50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500V
Data Link	

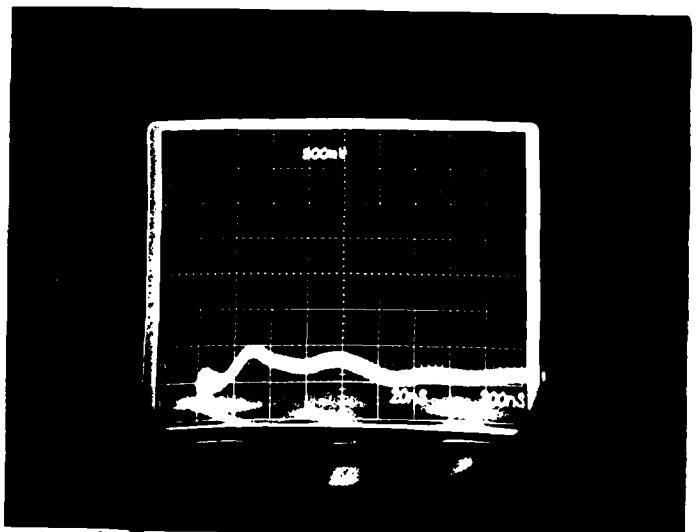
Comments: 1216

"HOT LEAD"

DATA @ .5V (1000V)



Date	6-11-85
Test Point	110 - CH 1/2 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	200 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	4500V
Data Link	
Comments:	

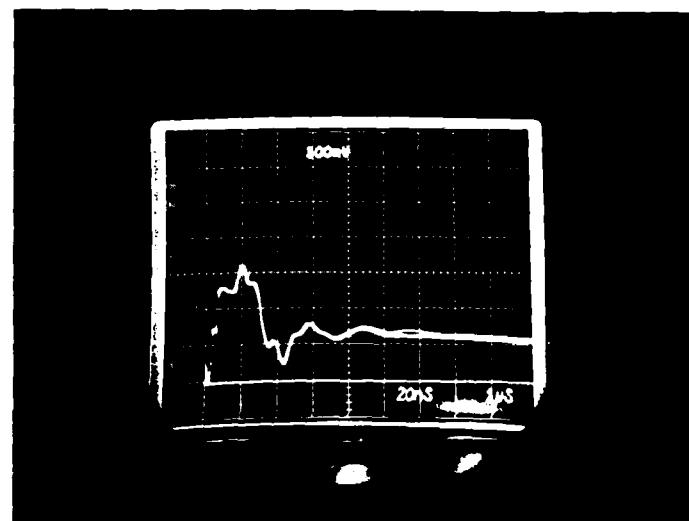


Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-11-85
Test Point	110-C4 -110-0
Amplification	dB
Attenuation	20 dB
Horizontal	1ns -ns/div 1
Vertical	.1V (200V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	

Comments:

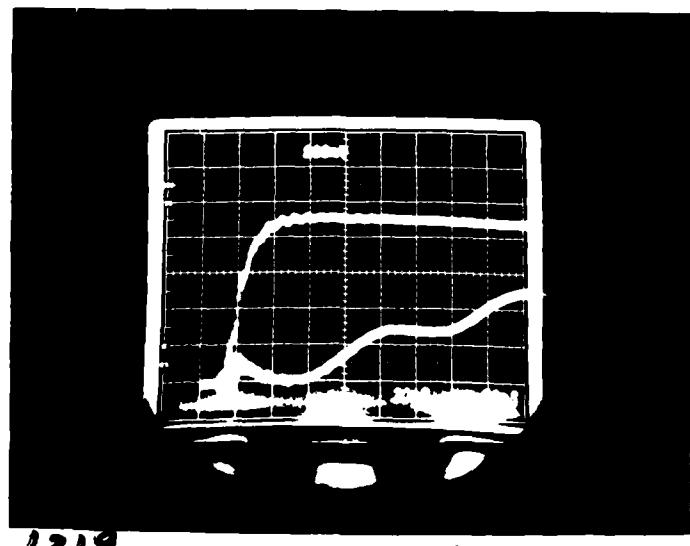
"COMMON" LEAD



Date	
Test Point	
Amplification	dB
Attenuation	dB
Horizontal	ns/div 1
Vertical	mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	

Date	6-11-85
Test Point	110 - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+ 4500V
Data Link	
Comments:	1219

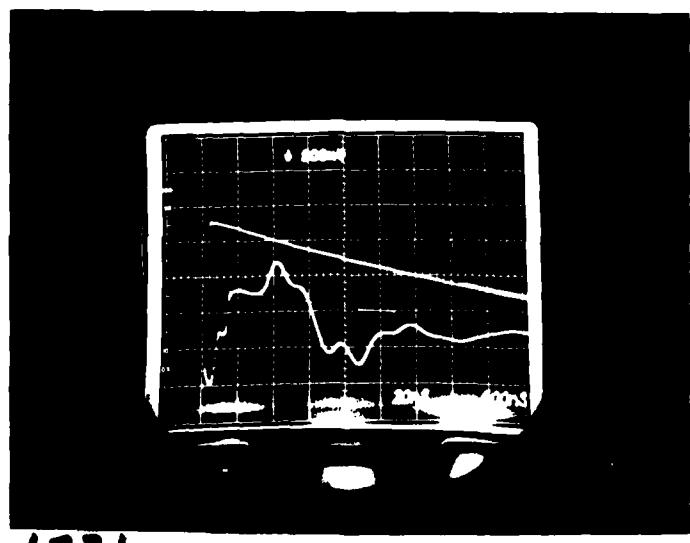
"COMMON" LEADS



DATA @ .1V (200V)

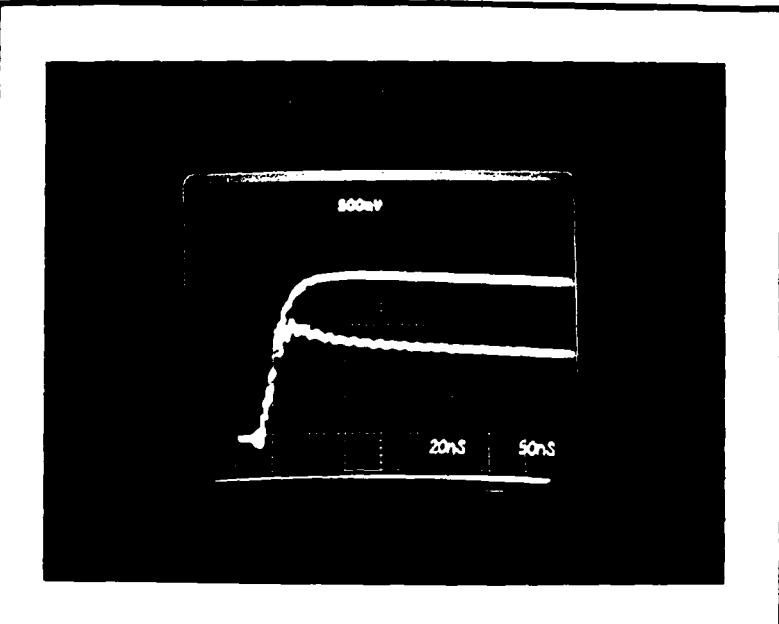
Date	6-11-85
Test Point	110R - CH - 1/10 - Ø
Amplification	dB
Attenuation	20 dB
Horizontal	500 ns/div 1
Vertical	.5V (1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	- 4500V
Data Link	
Comments:	1221

"COMMONS" LEADS



DATA @ .1V (200V)

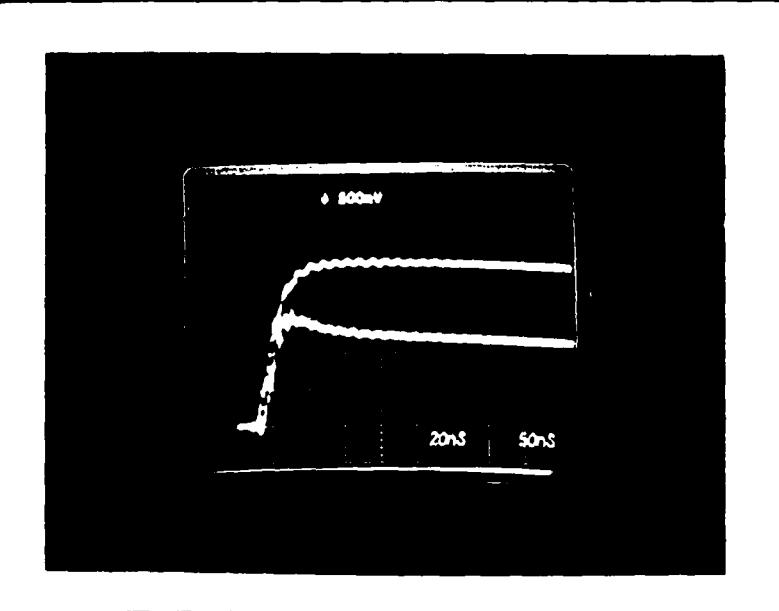
Date	6-11-85
Test Point	111-CH-YCO-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500V
Data Link	
Comments:	2-3



DATA @ .1V(200V)

"HOT" TEST COMMON TO GND -
NO PROTECTION WITH GND TO GND-

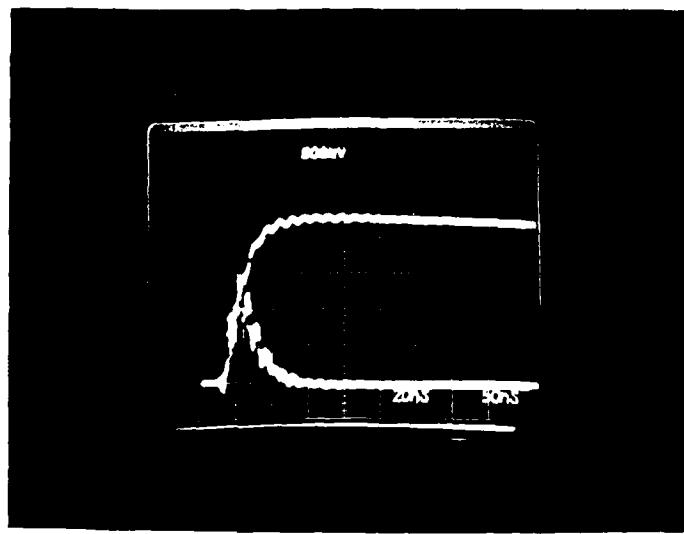
Date	6-11-85
Test Point	111R-CH-YCO-Ø
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	
Data Link	
Comments:	



DATA @ .1V(200V)

HOT TEST - COMMON TO GND

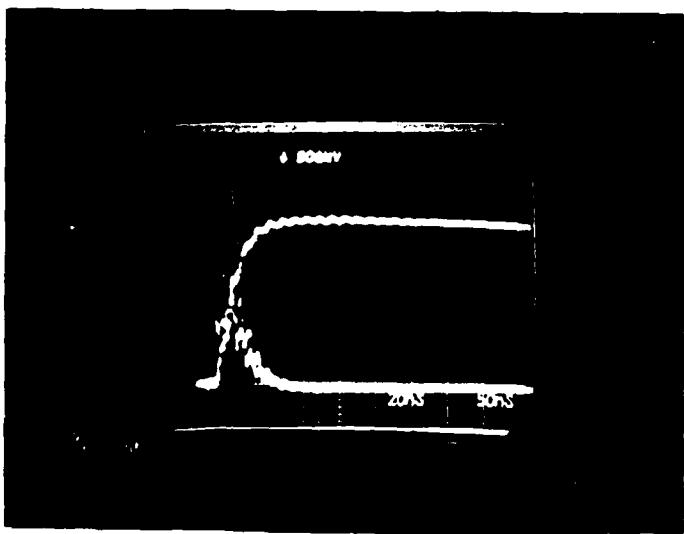
Date	6-11-85
Test Point	112-CH-1/10- X A
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	+4500 V
Data Link	
Comments:	12:11



DATA .05(100V)

"HOT" LEAD - NEUTRAL TO GND

Date	112R-CH-1/10- X A
Test Point	
Amplification	dB
Attenuation	20 dB
Horizontal	50 ns/div 1
Vertical	.5V(1000V) mV/div 1
Horizontal	ns/div 2
Vertical	ns/div 2
Configuration	
Pulser Level	-4500 V
Data Link	
Comments:	12:11



DATA .05

"HOT" LEAD - NEUTRAL TO GND

END